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Data Report: Operation York River, 1969

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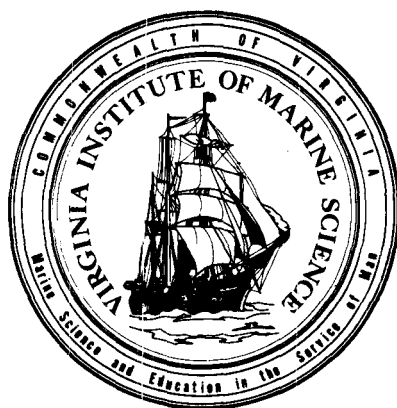
DATA REPORT
OPERATION YORK RIVER, 1969

by

P.V. HYER

E.P. RUZECKI

C.S. FANG



DATA REPORT NUMBER 9

VIRGINIA INSTITUTE OF MARINE SCIENCE

GLOUCESTER POINT, VIRGINIA 23062

MARCH, 1972

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Gloucester Point, Virginia 23062

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March, 1972

TABLE OF CONTENTS

	Page
Acknowledgments	v
Abstract	vii
Introduction	1
Explanation of Data Tables	7
Miscellaneous Data	8
Appendix A. Pamunkey Hydrographic Stations	25
Appendix B. Mattaponi Hydrographic Stations	138
Appendix C. York Hydrographic Stations	236

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DATA REPORT: OPERATION YORK RIVER

Abstract

A field survey was carried out in October 1969 to gather field data from the Mattaponi, Pamunkey and York rivers in order to construct mathematical models for salinity and dissolved oxygen. The results of the field operation are presented, together with a description of the methods and instruments used in the data collection and analysis.

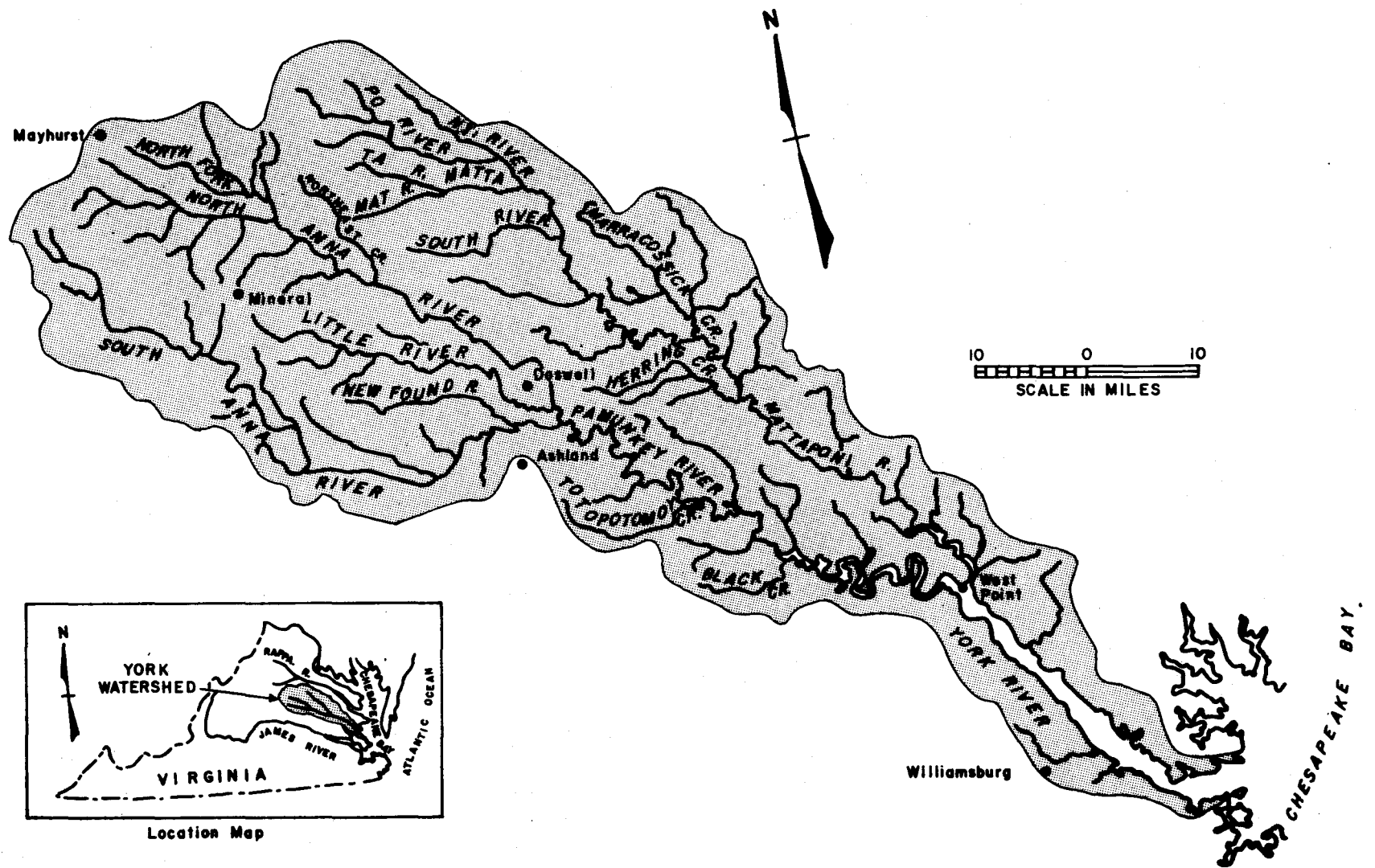


Figure 1. Map of the York, Pamunkey and Mattaponi river watersheds.

INTRODUCTION

I. Location of the Study Area

The upper estuary of the York River includes the Pamunkey and Mattaponi rivers (Fig. 1). The streams of the York River basin flow in a southeasterly direction from their source in the foothills of the Blue Ridge Mountains in Virginia to the Chesapeake Bay near Yorktown, Virginia. The York River is formed by the confluence of the Mattaponi and Pamunkey rivers at West Point and is an estuary for its entire course. The Pamunkey and Mattaponi channels are meandering and are tidal. The total area of the York River System drainage basin is 2663 square miles, of which 909 and 1477 square miles belong to the Mattaponi and Pamunkey, respectively.

II. Field Procedure

In order to construct correct mathematical models for predicting changes in the spatial and temporal distribution of salinity and dissolved oxygen in the Mattaponi and Pamunkey rivers, field data were needed to provide values for the various coefficients and parameters used in modeling as well as for verification purposes. Required information consisted of the following: basin geometry, fresh water discharge, mean cross-sectional velocities within successive reaches, mean discharge through cross sections for at least one complete tidal cycle, tidally-induced fluctuations in mean salinity and dissolved oxygen at each cross section and water level fluctuation.

To satisfy these requirements, a field survey was planned and executed to measure temperature, salinity, dissolved oxygen, currents and water levels in the tidal portions of the Mattaponi and

Pamunkey rivers. The surveyed area extended from two miles below West Point in the York River to 38 and 56 miles above West Point in the Mattaponi and Pamunkey rivers, respectively. Figure 2 is a map showing the stations occupied during this field operation. The area was surveyed in as short a time as could be achieved with the available equipment and personnel. Hence measurements were as close to simultaneous as was practicable. A total of 37 transects were occupied during the survey. Each transect had between one and four stations, depending on river width. Distances between transects averaged three miles with closer spacing in the vicinity of West Point.

Salinity samples and temperature-velocity measurements were obtained at each station. Sampling depths were at two-meter increments from surface to bottom (inclusive). Water samples for dissolved oxygen analysis were taken at hourly intervals, six feet below the surface at the central station on each transect except in the vicinity of West Point where DO sampling coincided with the temperature, salinity-velocity measuring scheme.

Water samples for salinity and dissolved oxygen analysis were obtained with Frautschy bottles, placed in 4-oz. sample bottles and subjected to laboratory analysis. Velocities were measured with Savonius rotor type current meters (Hydro Products Model 400 direction sensor and 460 current speed sensor and Marine Advisors Model B5 direction sensor and B1 speed sensor). Temperatures were sensed with thermistors (Applied Research Austin Model ET-100) attached to the current meter housings. Values for current speed and direction as well as water temperature were read from deck readout meters. Water samplers were lowered on a hand line and activated by a messenger.

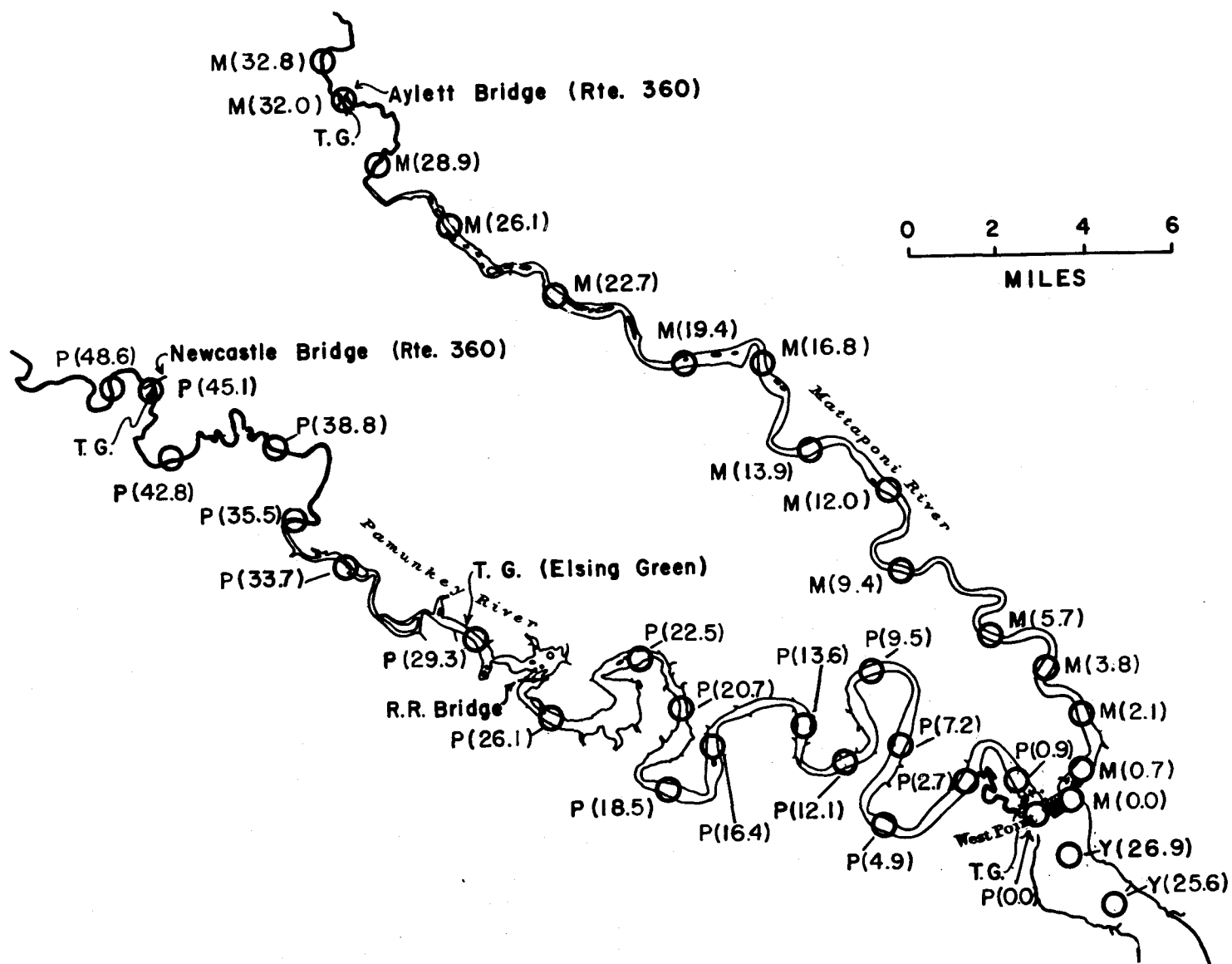


Figure 2. Map showing transects occupied during Operation York River, October, 1969.

The current meter-thermistor combination was weighted with a 50-lb lead weight and lowered by a hand-cranked winch. All sampling was accomplished by two-man crews in small (17-22 ft) outboard boats.

The entire survey was completed during a ten-day period in October 1969. A total of seven 25-hour sampling sessions were required, starting upstream in the Pamunkey and working towards West Point, and repeating the procedure in the Mattaponi. Stations in all three rivers in the vicinity of West Point were occupied twice.

Water level fluctuations (tides) were measured at West Point, Elsing Green and Newcastle Bridge on the Pamunkey and at Aylett on the Mattaponi. The West Point and Elsing Green facilities were established and operated by the Division of Water Resources. The other gauges were of a temporary type. However all gauges were surveyed for vertical control.

Bathymetry of each transect was obtained with a recording sonic depth sounder (Raytheon Model DE-719).

III. Laboratory Analysis

Dissolved oxygen was analyzed using the Azide modification of the Winkler method (reagents up to and including H_2SO_4 were added in the field), while salinities were determined with a laboratory model inductance salinometer (Beckman Model RS7-A).

IV. Data Reduction

Channel widths were determined from U. S. Geological Survey 7.5-minute quadrangles. Cross-sectional areas were determined by planimetry of the bottom profile data collected by VIMS personnel in January 1970. Section lengths were determined from C&GS navigation charts.

Measurements from the strip-chart records of the temporary tide gauges were corrected for the elevation of the staff with respect to sea level (1929 Datum), corrected for variations in the paper feed rate and replotted.

EXPLANATION OF DATA TABLES

I. How to Locate Data

A tabulation of the hydrographic data is presented in the appendices. Generally the units are MKS, but each parameter will be considered in detail below. All the data from one station are grouped together and presented chronologically. While figure 2 shows the transect designations only, there may be from one to four stations on a given transect. These are distinguished by appending a letter to the transect designation, so that transect P(0.0), for example, has stations P(0.0)A & P(0.0)B, ordered from west to east. Where a transect was occupied for two periods of time with an extended gap between, the two periods of time are presented separately.

After the transect designation for a given point has been found from figure 1, the data may be found in the appropriate appendix, where the transects are presented in descending order according to transect number. The transect number is also the distance in nautical miles from the river mouth.

II. Methods of Determination and Accuracies

A summary of the units in which parameters are expressed, the methods of determination and the accuracy of each method is given at the beginning of the presentation of Miscellaneous Data. A similar table including instrument codes used in the printout is presented at the beginning of each appendix. For a particular datum in the appendices, the instrument code will be found next to the numerical result.

MISCELLANEOUS DATA

	Page
Discharge Record at Hanover, Va.	10
September - October, 1969	
Discharge Record at Beulahville, Va.	11
September - October, 1969	
Tidal Height Record - Pamunkey (West Point).....	12
October 13-22, 1969	
Tidal Height Record - Mattaponi (Aylett Landing).....	14
October 13-22, 1969	
Tidal Height Record - Pamunkey (Elsing Green).....	16
October 13-22, 1969	
Tidal Height Record - Pamunkey (New Castle Bridge).....	18
October 13-22, 1969	
Local Inflow Drainage Area - Pamunkey.....	20
Local Inflow Drainage Area - Mattaponi & York.....	21
Temperature and Precipitation Record - Walkerton, Va.	22
September - October, 1969	
Temperature and Precipitation Record - West Point, Va.....	23
September - October, 1969	
Geometrical Data for Transects.....	24

Quantity	Units	Method of Determination	Instrument Code	Accuracy
Tidal height	feet	tide gauge	-	+ 0.1 ft.
Fresh water discharge	cubic feet per second	staff height	-	+ 10 cfs (est)
Cross- sectional area	square feet	Raytheon Fathometer	-	+ 10%
Transect distance from river mouth	nautical mile	USC&GS Chart	-	+ 300 ft.
Channel width	feet	USGS 7.5 min quadrangle	-	+ 20 ft.

Discharge Record at Hanover, Va.

Date	Discharge (cfs)	Date	Discharge (cfs)
Sept. 1, 1969	465	Oct. 1, 1969	269
2	429	2	253
3	429	3	339
4	487	4	429
5	429	5	447
6	411	6	375
7	393	7	303
8	375	8	303
9	393	9	321
10	411	10	303
11	465	11	285
12	429	12	285
13	339	13	269
14	363	14	269
15	285	15	253
16	269	16	237
17	269	17	237
18	285	18	221
19	339	19	221
20	429	20	221
21	553	21	205
22	910	22	221
23	663	23	205
24	487	24	221
25	411	25	205
26	357	26	205
27	339	27	205
28	321	28	205
29	303	29	221
30	285	30	205
		31	205
SUM = 12323		SUM = 8159	
AVG = 410.8		AVG = 263.2	
MAX = 910		MAX = 447	
MIN = 269		MIN = 205	

Discharge Record at Beulahville, Va.

September 1969
Date Discharge

1	700
2	580
3	460
4	410
5	370
6	360
7	340
8	320
9	310
10	294
11	262
12	245
13	241
14	217
15	190
16	160
17	140
18	150
19	170
20	190
21	240
22	330
23	370
24	350
25	310
26	260
27	230
28	210
29	200
30	190

Sum	8,799
Average	293.3
Maximum	700
Minimum	140

October 1969
Date Discharge

1	200
2	210
3	230
4	240
5	260
6	270
7	240
8	220
9	200
10	210
11	240
12	260
13	280
14	250
15	230
16	220
17	220
18	200
19	180
20	160
21	190
22	180
23	170
24	155
25	157
26	157
27	150
28	148
29	150
30	148
31	146

Sum	6,271
Average	202.3
Maximum	280
Minimum	146

Tidal Height Record - West Point, Va.
 October, 1969
 Reference: 1929 Datum Plain

	13	14	15	16	17
0000	4.15	3.70	3.50	3.00	2.15
0100	4.10	3.85	3.75	3.60	2.70
0200	3.50	3.60	3.90	3.85	3.15
0300	2.95	3.00	3.70	3.90	3.45
0400	2.25	2.50	3.25	3.60	3.40
0500	1.70	1.90	2.70	3.00	3.20
0600	1.40	1.40	2.20	2.40	2.70
0700	1.25	1.05	1.75	1.95	2.20
0800	1.50	1.05	1.40	1.65	1.80
0900	2.00	1.90	1.30	1.45	1.45
1000	2.80	2.45	1.60	1.45	1.40
1100	3.25	2.90	2.15	1.60	1.40
1200	3.50	3.10	2.80	1.95	1.50
1300	3.45	3.20	3.20	2.45	1.85
1400	3.10	3.10	3.35	2.90	2.30
1500	2.55	2.80	3.20	3.10	2.75
1600	2.10	2.35	2.85	3.00	2.95
1700	1.60	2.00	2.25	2.60	2.80
1800	1.15	1.65	1.80	2.05	2.40
1900	0.95	1.50	1.40	1.65	1.95
2000	1.20	1.65	1.15	1.35	1.55
2100	2.00	1.95	1.25	1.15	1.25
2200	2.85	2.50	1.85	1.25	1.00
2300	3.45	3.00	2.60	1.65	0.95

Tidal Height Record - West Point, Va.
 October, 1969
 Reference: 1929 Datum Plain

	18	19	20	21	22
0000	1.00	0.30	0.10	0.75	1.60
0100	1.35	0.35	-0.15	0.35	1.10
0200	1.90	0.80	-0.20	0.25	0.40
0300	2.60	1.40	-0.10	0.25	0.00
0400	2.90	2.05	1.00	0.65	-0.30
0500	2.95	2.55	1.65	1.35	0.30
0600	2.65	2.80	2.20	2.10	1.00
0700	2.25	2.60	2.55	2.70	1.90
0800	1.80	2.20	2.60	3.10	2.70
0900	1.30	1.60	2.30	3.10	3.25
1000	0.90	1.05	1.80	2.60	3.35
1100	0.40	0.60	1.20	2.05	3.10
1200	0.15	0.10	0.70	1.45	2.40
1300	0.25	0.00	0.30	0.90	2.10
1400	0.65	0.20	-0.50	0.40	1.40
1500	1.35	0.80	-0.55	0.00	0.90
1600	1.90	1.45	-0.40	0.10	0.70
1700	2.20	1.90	0.90	0.60	0.90
1800	2.25	2.15	1.50	1.50	1.70
1900	2.05	2.20	2.00	2.30	2.50
2000	1.80	2.00	2.20	2.65	2.90
2100	1.15	1.50	2.15	2.80	3.00
2200	0.75	1.00	1.75	2.60	2.95
2300	0.45	0.55	1.10	2.20	2.75

Tidal Height Record-Mattaponi (Aylett Landing)
 October, 1969
 Reference: 1929 Datum Plain

	13	14	15	16	17
0000		1.1	0.6	-0.6	-0.1
0100		1.9	1.4	-0.5	-0.3
0200		2.5	2.0	-0.5	-0.4
0300		2.8	2.4	-0.3	-0.3
0400		3.0	2.5	-0.5	-0.4
0500		2.9	2.4	-0.6	-0.6
0600		2.6	1.0	-0.7	-0.6
0700		2.2	0.7	-0.9	-0.6
0800		1.6	0.6	-0.8	-0.4
0900		1.1	0.3	-0.9	-0.5
1000		0.7	0.3	-0.5	-0.2
1100		0.3	0.2	0.3	0.4
1200		1.1	0.9	0.3	0.4
1300	2.4	1.9	1.6	0.9	0.3
1400	2.8	2.5	2.2	1.6	1.0
1500	3.1	2.9	2.7	2.3	1.6
1600	3.4	3.1	2.8	2.7	2.1
1700	3.4	3.2	1.9	3.0	2.5
1800	3.2	3.1	0.6	3.3	2.8
1900	2.8	2.7	0.2	3.3	0.9
2000	2.2	2.3	-0.1	2.7	-0.1
2100	1.6	1.6	-0.2	0.4	-0.3
2200	1.1	1.1	-0.4	0.2	-0.4
2300	0.7	0.6	-0.6	0.1	-0.4

Tidal Height Record-Mattaponi (Aylett Landing)
 October, 1969
 Reference: 1929 Datum Plain

	18	19	20	21	22
0000	-0.5	-0.8	-0.8	2.0	-0.6
0100	-0.7	-0.8	-0.9	1.5	-0.7
0200	-0.7	-0.9	-0.9	1.0	-0.7
0300	-0.7	-1.1	-1.1	0.6	-0.8
0400	-0.7	-1.1	-1.2	0.1	-0.9
0500	-0.8	-1.1	-1.2	-0.2	-1.0
0600	-0.8	-0.8	-1.2	-0.5	-1.0
0700	-0.8	-0.8	-1.3	-0.4	-1.0
0800	-0.8	-0.8	-1.1	0.2	-1.1
0900	-1.1	-0.9	-0.3	0.9	-1.1
1000	-1.1	-0.6	1.5	1.4	-0.6
1100	-0.2	-0.7	1.6	1.8	1.1
1200	0.2	0.5	1.2	1.5	2.2
1300	0.2	0.3	0.8	1.0	2.1
1400	0.0	-0.1	0.3	0.6	1.6
1500	0.1	-0.3	-0.1	0.2	1.1
1600	0.8	-0.4	-0.4	-0.2	0.6
1700	1.3	0.1	-0.6	-0.4	0.1
1800	-0.1	0.8	-0.3	-0.5	-0.3
1900	-0.2	1.5	0.4	0.0	-0.5
2000	-0.5	2.0	1.2	0.7	-0.3
2100	-0.7	1.0	1.9	1.1	0.3
2200	-0.7	-0.4	2.3	-0.4	0.0
2300	-0.8	-0.6	2.3	-0.5	-0.4

Tidal Height Record - Elsing Green, Va.
 October, 1969
 Reference: 1929 Datum Plain

	13	14	15	16	17
0000	2.35	1.80	1.55	1.15	1.25
0100	2.90	2.50	2.15	1.35	1.00
0200	3.30	3.00	2.75	2.00	1.40
0300	3.60	3.35	3.10	2.60	1.90
0400	3.80	3.60	3.45	3.05	2.50
0500	3.95	3.75	3.70	3.40	2.95
0600	3.80	3.75	3.85	3.65	3.25
0700	3.40	3.50	3.85	3.80	3.45
0800	2.90	3.15	3.55	3.80	3.55
0900	2.40	2.70	3.15	3.50	3.50
1000	1.80	2.10	2.80	3.15	3.15
1100	1.45	1.50	2.30	2.65	2.70
1200	1.90	1.45	1.75	2.20	2.20
1300	2.55	2.00	1.50	1.80	1.75
1400	3.00	2.50	1.90	1.40	1.30
1500	3.35	2.95	2.50	1.60	1.10
1600	3.55	3.20	2.90	2.15	1.40
1700	3.55	3.35	3.25	2.60	1.90
1800	3.30	3.35	3.40	3.00	2.45
1900	2.90	3.10	3.40	3.20	2.90
2000	2.40	2.70	3.15	3.20	3.10
2100	1.85	2.20	2.70	3.80	3.10
2200	1.30	1.75	2.15	3.35	2.80
2300	1.15	1.45	1.60	1.75	2.30

Tidal Height Record - Elsing Green, Va.
 October, 1969
 Reference: 1929 Datum Plain

	18	19	20	21	22
0000	1.80	1.75	2.35	2.50	2.80
0100	1.25	1.10	1.90	2.30	3.00
0200	0.80	0.60	1.25	1.85	2.90
0300	0.55	0.05	0.60	1.25	2.45
0400	0.90	0.05	0.60	0.70	1.85
0500	1.50	0.40	0.60	0.15	1.15
0600	2.30	1.15	0.60		0.45
0700	2.75	1.90	0.60	0.20	
0800	3.00	2.45	1.40	0.80	
0900	3.15	2.85	2.10	1.65	0.40
1000	3.00	3.00	2.65	2.30	1.30
1100	2.65	3.95	2.90	2.90	2.15
1200	2.15	2.60	2.90	3.15	2.80
1300	1.55	2.10	2.60	3.25	3.20
1400	0.95	1.40	2.05	3.00	3.35
1500	0.30	0.80	1.40	2.50	3.35
1600	0.30	0.20	0.70	1.90	3.00
1700	0.40	0.20	0.10	1.20	2.50
1800	1.10	0.15		0.50	1.90
1900	1.70	1.00			1.25
2000	2.25	1.60	0.60		0.70
2100	2.60	2.20	1.15	0.90	0.90
2200	2.60	2.55	1.80	1.75	1.75
2300	2.30	2.65	2.30	2.40	2.40

Tidal Height Record - Pamunkey (New Castle Bridge)
 October, 1969
 Reference: 1929 Datum Plain

	13	14	15	16	17
0000	1.8	2.0	1.9	2.3	2.5
0100	1.8	1.7	1.6	2.0	2.2
0200	2.3	1.9	1.5	1.7	1.9
0300	2.6	2.3	1.9	1.5	1.6
0400	2.8	2.6	1.8	1.9	1.2
0500	2.9	2.8	2.5	2.3	1.7
0600	2.9	2.8	2.6	2.5	2.1
0700	2.9	2.8	2.6	2.7	2.4
0800	2.7	2.7	2.6	2.7	2.5
0900	2.5	2.4	2.4	2.6	2.5
1000	2.2	2.1	2.1	2.4	2.4
1100	1.9	1.8	1.9	2.1	2.1
1200	1.6	1.5	1.5	1.9	1.8
1300	1.6	1.3	1.3	1.5	1.5
1400	2.2	1.8	1.5	1.2	1.2
1500	2.6	2.3	2.0	1.5	1.0
1600	2.8	2.6	2.4	2.0	1.3
1700	2.9	2.8	2.7	2.4	1.8
1800	3.0	2.9	2.9	2.7	2.2
1900	3.1	3.0	3.0	2.8	2.5
2000	3.1	2.9	3.0	3.0	2.7
2100	2.8	2.8	2.9	3.0	2.8
2200	2.6	2.5	2.8	2.9	2.8
2300	2.3	2.3	2.6	2.8	2.6

Tidal Height Record - Pamunkey (New Castle Bridge)
 October, 1969
 Reference: 1929 Datum Plain

	18	19	20	21	22
0000	2.4	2.1	2.3	2.3	2.1
0100	2.1	1.8	2.1	2.3	2.2
0200	1.8	1.5	1.8	2.1	2.2
0300	1.4	1.2	1.5	1.8	1.7
0400	1.2	0.9	1.2	1.4	1.7
0500	1.1	0.6	0.8	1.1	1.4
0600	1.5	0.4	0.5	0.8	1.2
0700	1.9	0.8	0.4	0.5	1.1
0800	2.3	1.3	0.7	0.3	0.8
0900	2.5	1.8	1.2	0.3	0.5
1000	2.4	2.0	1.6	0.7	0.9
1100	2.2	2.0	2.0	1.3	1.4
1200	2.0	1.7	2.0	1.7	1.9
1300	1.7	1.4	1.8	1.9	2.2
1400	1.9	1.2	1.5	1.7	2.3
1500	1.1	0.9	1.2	1.4	2.1
1600	0.8	0.6	0.9	1.1	1.9
1700	0.7	0.4	0.6	0.8	1.5
1800	1.2	0.3	0.3	0.5	1.2
1900	1.7	0.7	0.1	0.3	0.9
2000	2.1	1.2	0.4	0.2	0.6
2100	2.4	1.7	1.0	0.6	0.3
2200	2.5	2.1	1.5	1.2	0.5
2300	2.3	2.4	2.0	1.7	1.1

Local Inflow Drainage Area - Pamunkey

Transect	Distance from West Pt.(ft)	Distance (Miles)	Drainage area (sq.mi.)	Cumulative Drainage Area(sq.mi.)
Upstream of P20			1201.5	1201.5
P20	282000	86.3		
			20.4	1221.9
P19	261000	82.3		
			13.3	1235.2
P18	247000	79.7		
			23.5	1258.7
P17	223000	75.6		
			19.4	1278.1
P16	203000	71.3		
			10.2	1288.3
P15	192000	69.3		
			26.0	1314.3
P14	165000	64.2		
			16.8	1331.1
P13	148000	60.9		
			18.9	1350.0
P12	128300	57.2		
			9.7	1359.7
P11	118400	55.3		
			10.2	1369.9
P10	107600	53.3		
			12.2	1382.1
P09	95100	50.9		
			15.8	1397.9
P08	75700	47.8		
			7.7	1405.6
P07	70500	46.3		
			14.3	1419.9
P06	55800	43.5		
			12.7	1432.6
P05	42700	41.0		
			12.8	1445.4
P04	29500	38.5		
			12.7	1458.1
P03	16400	36.0		
			12.8	1470.9
P02	3280	33.5		
			3.1	1474.0
P01	0	32.9		

Local Inflow Drainage Area - Mattaponi & York

<u>Transect</u>	<u>Distance from West Point(ft)</u>	<u>Distance (Miles)</u>	<u>Drainage area (sq.mi.)</u>	<u>Cumulative Drainage Area (sq.mi.)</u>
Upstream of M15			706.7	706.7
M15	201800	71.7	5.9	712.6
M14	196000	70.6	22.0	734.6
M13	174000	66.5	15.6	750.2
M12	159000	63.6	21.5	771.7
M11	138000	59.6	16.7	788.4
M10	121400	56.5	16.7	805.1
M09	105000	53.4	16.7	821.8
M08	88600	50.3	13.4	835.2
M07	75500	47.8	18.8	854.0
M06	56800	44.3	23.1	877.1
M05	34100	40.0	10.8	887.9
M04	23600	38.0	10.7	898.6
M03	13100	36.0	10.2	909.8
M02	3280	34.1	3.2	912.0
M01	0	33.5	6.5	2392.5
Y01	-6560	32.3	6.7	2399.2
Y02	-13100	31.0		

Temperature and Precipitation Record
Walkerton, Va.

September, 1969			
Date	Max. Temp. °F	Min. Temp. °F	Precipitation (inches)
1	92	59	-
2	89	65	.61
3	85	70	.15
4	89	64	-
5	89	66	-
6	90	65	-
7	92	65	-
8	88	69	3.28
9	79	62	.16
10	74	53	-
11	76	48	-
12	76	47	-
13	80	49	-
14	85	50	-
15	85	54	-
16	86	56	-
17	86	64	-
18	75	62	.35
19	69	51	-
20	63	58	.76
21	67	58	.01
22	74	50	-
23	75	57	-
24	68	47	.26
25	76	65	.40
26	78	58	-
27	79	56	-
28	76	59	-
29	71	47	-
30	74	40	-
Average Maximum Temperature 79.5			
Average Minimum Temperature 57.1			
Average Temperature 68.3			
Total Precipitation (inches) 5.98			

October, 1969			
Date	Max. Temp. °F	Min. Temp. °F	Precipitation (inches)
1	76	48	-
2	74	61	.91
3	81	68	.02
4	75	59	-
5	68	52	-
6	72	54	-
7	79	54	-
8	68	63	.56
9	76	56	-
10	73	44	-
11	74	47	-
12	79	51	-
13	77	57	-
14	75	56	-
15	70	46	-
16	70	39	-
17	69	46	-
18	64	31	-
19	75	36	-
20	80	48	-
21	74	63	-
22	70	37	-
23	55	36	-
24	54	26	-
25	60	27	-
26	60	46	-
27	71	48	T
28	60	40	-
29	57	31	-
30	62	28	-
31	69	33	-
Average Maximum Temperature 69.9			
Average Minimum Temperature 46.2			
Average Temperature 58.1			
Total Precipitation (inches) 1.49			

Temperature and Precipitation Record
West Point, Va.

September, 1969				October, 1969			
Date	Max. Temp. °F	Min. Temp. °F	Precipitation (inches)	Date	Max. Temp. °F	Min. Temp. °F	Precipitation (inches)
1	88	64	-	1	78	43	-
2	87	68	T	2	73	63	.68
3	85	70	.16	3	84	68	.40
4	87	63	-	4	74	60	-
5	87	64	-	5	72	55	-
6	90	64	-	6	71	55	-
7	90	67	-	7	77	53	-
8	88	69	.43	8	72	63	.16
9	80	65	.17	9	74	55	-
10	76	56	-	10	73	44	-
11	76	46	-	11	75	50	-
12	76	49	-	12	80	52	-
13	81	49	-	13	74	55	.01
14	85	50	-	14	75	64	-
15	84	54	-	15	67	48	-
16	86	61	-	16	71	40	-
17	86	67	.37	17	69	47	-
18	72	61	.25	18	64	31	-
19	70	55	-	19	75	39	-
20	66	59	.97	20	78	54	.01
21	69	58	.03	21	75	63	-
22	74	49	-	22	71	40	-
23	76	42	-	23	61	35	-
24	75	48	.12	24	52	26	-
25	76	63	.60	25	59	30	T
26	77	57	-	26	58	49	.04
27	81	57	-	27	69	50	.11
28	79	61	-	28	62	44	-
29	72	48	-	29	54	32	-
30	74	43	-	30	60	29	-
				31	68	33	-
Average Maximum Temperature 79.8				Average Maximum Temperature 69.8			
Average Minimum Temperature 57.6				Average Minimum Temperature 47.6			
Average Temperature 68.7				Average Temperature 58.7			
Total Precipitation (inches) 3.10				Total Precipitation (inches) 1.41			

GEOMETRICAL DATA FOR TRANSECTS

Transect	Area (ft ²)	Width (ft)	Hydraulic Depth (ft)
P(48.6)	837	140	6.0
P(45.1)	1563	120	13.0
P(42.8)	1875	180	10.4
P(38.8)	2250	200	11.2
P(35.5)	3188	340	9.4
P(33.7)	5750	480	12.0
P(29.3)	10000	700	14.3
P(26.1)	26750	1500	17.8
P(22.5)	19750	1480	13.4
P(20.7)	17500	810	21.6
P(18.5)	20250	1200	16.9
P(16.4)	22700	1400	16.2
P(13.6)	29000	2040	13.6
P(12.1)	18700	1220	23.5
P(09.5)	16000	1150	13.9
P(07.2)	20750	1490	13.9
P(04.9)	20125	1350	14.9
P(02.7)	29250	1540	19.0
P(00.9)	37500	1800	20.9
P(00.0)	46900	2540	18.5
M(32.8)	317	85	3.7
M(32.0)	750	100	7.5
M(28.9)	2313	280	8.2
M(26.1)	4500	520	8.7
M(22.7)	8250	700	11.8
M(19.4)	9875	600	16.4
M(16.8)	17750	1080	16.4
M(13.9)	23500	1340	17.6
M(12.0)	19250	1680	11.4
M(09.4)	16500	680	24.2
M(05.7)	16500	1000	16.5
M(03.8)	24250	1530	15.8
M(02.1)	20500	1380	14.9
M(00.7)	30500	1740	17.6
M(00.0)	27000	3200	8.4
Y(26.9)	71250	7800	9.1
Y(25.6)	63500	5100	12.5

APPENDIX A
PAMUNKEY HYDROGRAPHIC STATIONS

Transect	Dates Occupied	
	From	To
P(48.6)	Oct. 13	Oct. 14
P(45.1)	Oct. 13	Oct. 14
P(42.8)	Oct. 13	Oct. 14
P(38.8)	Oct. 13	Oct. 14
P(35.5)	Oct. 13	Oct. 14
P(33.7)	Oct. 13	Oct. 14
P(29.3)	Oct. 14	Oct. 15
P(26.1)	Oct. 14	Oct. 15
P(22.5)	Oct. 14	Oct. 15
P(20.7)	Oct. 14	Oct. 15
P(18.5)	Oct. 14	Oct. 15
P(16.4)	Oct. 14	Oct. 15
P(13.6)	Oct. 16	Oct. 17
P(12.1)	Oct. 16	Oct. 17
P(9.5)	Oct. 16	Oct. 17
P(7.2)	Oct. 16	Oct. 17
P(4.9)	Oct. 16	Oct. 17
P(2.7)	Oct. 16	Oct. 17
P(0.9)	Oct. 17	Oct. 18
P(0.0)	Oct. 17	Oct. 18
	Oct. 21	Oct. 22

Quantity	Units	Methods of Determination	Instrument Code	Accuracy
Time	hrs & tenths, EST	Ship's chronometer	-	± 0.05 hr.
Latitude & Longitude	degrees, minutes & tenths	USC&GS	-	± 0.05 min.
Water depth	meters (nearest meter)	Sounding Line	-	± 0.5 m.
Sample depth	meters	marks on current meter cable	-	± 0.1 m.
Temperature	degrees Celsius	ARA thermistor ET-100	H	$\pm 0.1^{\circ}\text{C}.$
		Stem thermometer	T	$\pm 0.1^{\circ}\text{C}.$
Current speed	meters per second	Hydro Products Current Meter 460	S,U,Y	± 0.01 m/sec, 0.05-0.5 m/sec; ± 0.05 m/sec, 0.5-3.5 m/sec
		Bendix Current Meter B1	A,B,C	± 0.01 m/sec, 0.05-0.5 m/sec; ± 0.05 m/sec, 0.5-3.5 m/sec
		Pritchard Drag	F	± 0.03 m/sec, 0.05-0.5 m/sec
Current direction	degrees to nearest ten degrees (magnetic)	Hydro Products Current Meter 400	S,U,Y	$\pm 10^{\circ}$
		Bendix Current Meter B5	A,B,C	$\pm 10^{\circ}$
		Ship's Compass	L	$\pm 10^{\circ}$
		Pritchard Drag	F	$\pm 10^{\circ}$
Salinity	parts per thousand	Inductance Salinometer	R	$\pm 0.05\%$
Dissolved Oxygen	milligrams per liter	Winkler titration (Azide modification)	B	± 0.2 mg.l. ⁻¹

STATION P(48.6)A

LATITUDE 37DEGREES 41.2MINUTES NORTH, LONGITUDE 77DEGREES 12.2MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
13/10/69	13.1	1.0	C.C 1.5	H 17.2 H 17.1		B 7.6 B 7.7	F 0.26 F 0.23	Y 020 Y 020
13/10/69	14.0	1.0	C.C 1.5	H 17.3 H 17.1		B 7.5 B 7.6	F 0.12 F 0.10	Y 020 Y 020
13/10/69	15.0	1.0	C.C 1.5	H 17.3 H 17.2		B 7.6 B 7.6	F 0.04 F 0.05	Y 020 Y 020
13/10/69	16.0	2.0	C.C 2.0	H 17.4 H 17.2		B 7.7 B 7.7	F 0.05 F 0.08	Y 020 Y 020
13/10/69	17.0	2.0	C.C 2.0	H 17.2 H 17.2		B 7.8 B 7.5	F 0.08 F 0.08	Y 020 Y 020
13/10/69	18.0	2.0	C.C 2.0	H 17.3 H 17.2		B 7.7 B 8.0	F 0.10 F 0.09	Y 020 Y 020
13/10/69	19.0	2.0	C.C 2.0	H 17.2 H 17.2		B 7.7	F 0.13 F 0.10	L 030
13/10/69	20.0	2.0	C.C 2.0	H 17.3 H 17.2		B 7.6	F 0.24 F 0.17	L 030
13/10/69	21.0	2.0	C.C 2.0			B 7.1	F 0.30 F 0.24	L 030
13/10/69	22.0	2.0	C.C 2.0	H 17.3 H 17.3		B 7.6	F 0.42 F 0.26	L 030
13/10/69	23.0	2.0	C.C 2.0	H 17.4 H 17.3		B 7.6	F 0.39	L 030
14/10/69	0.0	1.0	C.C 1.5	H 17.3 H 17.3		B 7.7	F 0.42 F 0.37	L 030
14/10/69	1.0	1.0	C.C 1.5	H 17.5 H 17.4		B 7.4	F 0.48 F 0.37	L 030
14/10/69	2.0	1.0	C.C 1.5	H 17.4 H 17.4		B 7.7	F 0.20 F 0.18	L 030
14/10/69	3.0	1.0	C.C 1.5	H 17.4 H 17.4		B 7.7	F 0.09 F 0.07	L 030

(CONTINUED)

STATION P(48.6)A (CONTINUED)

LATITUDE 37DEGREES 41.2MINUTES NORTH, LONGITUDE 77DEGREES 12.2MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DATE-TIME	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	4.0	1.0	C.C 1.5	F 17.5 F 17.4		B 7.6	F 0.09 F 0.07	L 030
14/10/69	5.0	1.0	C.C 1.5	F 17.8 F 17.4		B 7.5	F 0.10 F 0.10	L 030
14/10/69	6.0	2.0	C.C 1.5	F 17.5 F 17.5		B 7.4	F 0.14 F 0.15	L 030
14/10/69	7.0	2.0	C.C 2.0	F 17.5 F 17.5		B 7.5 B 7.5	F 0.16 F 0.20	L 040
14/10/69	8.0	2.0	C.C 2.0	F 17.5 F 17.5		B 7.3 B 7.5	F 0.27 F 0.25	L 040
14/10/69	9.0	2.0	C.C 2.0	F 17.4 F 17.4		B 7.3 B 7.3	F 0.34 F 0.28	L 040
14/10/69	10.0	2.0	C.C 2.0	F 17.4 F 17.5		B 7.5 B 7.2	F 0.41 F 0.31	L 020
14/10/69	11.0	2.0	C.C 2.0	F 17.5 F 17.5		B 7.5 B 7.2	F 0.45 F 0.39	L 040
14/10/69	12.0	1.0	C.C 1.5	F 17.6 F 17.6		B 7.4 B 7.4	F 0.51 F 0.42	L 040
14/10/69	13.0	1.0	C.C 1.5	F 17.7 F 17.8		B 7.6 B 7.3	F 0.87 F 0.79	L 000
14/10/69	14.0	1.0	C.C 1.5	F 17.8 F 17.8			F 0.32 F 0.26	L 000

STATION P(45.1)A

LATITUDE 37DEGREES 41.1MINUTES NORTH, LONGITUDE 77DEGREES 10.0MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
13/10/69	13.1	3.0	C.C 2.C	J 17.8		B 7.6	C 0.10 C 0.06	C 180 C 180
13/10/69	14.0	3.0	C.C 2.C 3.C	J 17.9 J 17.8		B 8.3	C 0.03 C 0.03	C 190 C 200
13/10/69	15.0	4.0	C.C 2.C 3.C	J 17.8 J 17.8		B 7.7	C 0.02 C 0.02	C 150 C 220
13/10/69	16.0	4.0	C.C 2.C 3.C	J 17.8 J 17.7		B 7.9	C 0.05 C 0.03	C 220 C 190
13/10/69	17.0	4.0	C.C 2.C 3.C	J 17.8 J 17.7		B 7.6	C 0.05 C 0.05	C 180 C 190
13/10/69	19.0	3.0	C.C 2.C	J 17.9 J 17.9		B 8.8	C 0.09 C 0.10	C 170 C 190
13/10/69	20.0	3.0	C.C 2.C	J 18.0 J 18.0		B 7.5	C 0.17 C 0.17	C 200 C 190
13/10/69	21.0	3.0	C.C 2.C	J 18.0 J 18.0		B 7.6	C 0.20 C 0.17	C 190 C 180
13/10/69	22.0	3.0	C.C 2.C	J 18.0 J 18.0		B 7.4	C 0.23 C 0.21	C 190 C 190
13/10/69	23.0	3.0	C.C 2.C	J 17.9 J 17.9		B 7.7	C 0.22 C 0.27	C 190 C 200
14/10/69	0.0	3.0	C.C 2.C	J 18.1 J 18.0		B 7.7	C 0.26 C 0.25	C 180 C 190
14/10/69	1.0	3.0	C.C 2.C	J 18.1 J 18.1		B 7.7	C 0.26 C 0.22	C 180 C 190
14/10/69	2.0	3.0	C.C 2.C	J 18.1 J 18.1			C 0.06 C 0.09	C 180 C 180
14/10/69	3.2	3.0	C.C 2.C	J 18.2 J 18.1		B 7.6	C 0.06 C 0.02	C 170 C 180

(CONTINUED)

STATION P(45.1)A (CONTINUED)

LATITUDE 37DEGREES 41.1MINUTES NORTH, LONGITUDE 77DEGREES 10.0MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DATE-MO-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	4.0	3.0	C.C 2.C	J 18.2 J 18.2		B 7.7	C 0.04 C 0.05	C 190 C 200
14/10/69	5.0	3.0	C.C 2.C	J 18.2 J 18.1		B 7.7	C 0.05 C 0.05	C 190 C 170
14/10/69	6.0	3.0	C.C 2.C	J 18.3 J 18.1		B 8.1 B 8.0	C 0.10 C 0.08	C 180 C 180
14/10/69	7.0	3.0	C.C 2.C	J 18.2 J 18.1		B 7.8 B 7.6	C 0.12 C 0.12	C 190 C 180
14/10/69	8.0	3.0	C.C 2.C	J 18.2 J 18.1		B 7.8 B 7.8	C 0.20 C 0.20	C 190 C 180
14/10/69	9.0	3.0	C.C 2.C	J 18.2 J 18.2		B 7.6 B 7.8	C 0.20 C 0.17	C 200 C 180
14/10/69	10.0	3.0	C.C 2.C	J 18.2 J 18.2		B 7.8 B 7.6	C 0.27 C 0.18	C 190 C 190
14/10/69	11.0	3.0	C.C 2.C	J 18.3 J 18.3		B 7.8 B 7.4	C 0.29 C 0.22	C 180 C 200
14/10/69	12.0	3.0	C.C 2.C	J 18.6 J 18.4		B 7.9 B 7.6	C 0.27 C 0.28	C 190 C 200
14/10/69	13.0	3.0	C.C 2.C	J 18.5 J 18.4		B 7.7 B 7.5	C 0.15 C 0.23	C 190 C 200
14/10/69	14.0	3.0	C.C 2.C	J 18.5 J 18.5		B 7.7 B 7.6	C 0.05 C 0.05	C 190 C 200

STATION P(42.8)A

LATITUDE 37DEGREES 39.5MINUTES NORTH, LONGITUDE 77DEGREES 10.7MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
13/10/69	13.0	2.0	1.0	F 18.1		B 7.1	A 0.02	A 270
13/10/69	14.0	2.0	1.0	F 18.5		B 7.7	A 0.09	A 270
13/10/69	15.0	2.0	1.0	F 18.2		B 7.6	A 0.05	A 270
13/10/69	16.0	2.0	1.0	F 18.2		B 7.9	A 0.03	A 270
13/10/69	17.0	2.0	1.0	F 18.2		B 7.5	A 0.02	A 090
13/10/69	18.0	2.0	1.0	F 18.2		B 8.8	A 0.02	A 100
13/10/69	19.0	3.0	1.0	F 18.1		B 8.8	A 0.13	A 090
13/10/69	20.0	3.0	1.0	F 18.1		B 7.7	A 0.24	A 100
13/10/69	21.0	3.0	1.0	F 18.1		B 9.0	A 0.30	A 100
13/10/69	22.0	2.0	1.0	F 18.1		B 7.9	A 0.34	A 090
13/10/69	23.0	2.0	1.0	F 18.1		B 7.5	A 0.39	A 100
14/10/69	0.0	2.0	1.0	F 18.0		B 9.1	A 0.42	A 090
14/10/69	1.0	2.0	1.0	F 17.9		B 8.3	A 0.24	A 090
14/10/69	2.0	2.0	1.0	F 18.0		B 7.6	A 0.04	A 270
14/10/69	3.0	2.0	1.0	F 18.0		B 7.9	A 0.43	A 250
14/10/69	4.0	2.0	1.0	F 18.0		B 8.3	A 0.03	A 210
14/10/69	5.0	2.0	1.0	F 18.0		B 8.3	A 0.01	A 340
14/10/69	6.0	3.0	1.0	F 18.0		B 7.6	A 0.06	A 060
14/10/69	7.0	2.0	1.0	F 17.8		B 8.5	A 0.20	A 090
14/10/69	8.0	2.0	1.0	F 17.9		B 8.2	A 0.28	A 080
14/10/69	9.0	2.0	1.0	F 17.9		B 7.3	A 0.34	A 080
14/10/69	10.0	2.0	1.0	F 18.0		B 7.3	A 0.38	A 080
14/10/69	11.0	2.0	1.0	F 18.1		B 8.1	A 0.40	A 090

(CONTINUED)

STATION P(42.8)A (CONTINUED)

LATITUDE 37DEGREES 39.5MINUTES NORTH, LONGITUDE 77DEGREES 10.7MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TC 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	12.0	2.0	1.0	H 18.5		B 7.9	A 0.42	A 090
14/10/69	13.0	2.0	1.0	H 18.7		B 7.7	A 0.03	A 250
14/10/69	14.0	2.0	1.0	H 18.7		B 7.6	A 0.09	A 260

STATION P(38.8)A

LATITUDE 37DEGREES 39.7MINUTES NORTH, LONGITUDE 77DEGREES 7.9MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
13/10/69	13.0	4.0	C.C	H 19.5			S 0.23	L 290
			2.C	H 18.2		B 7.1	S 0.19	
			3.C	H 18.2			S 0.14	
13/10/69	14.0	4.0	C.C	H 19.2			S 0.21	L 290
			2.C	H 18.5		B 6.4	S 0.16	
			3.C	H 18.4			S 0.15	
13/10/69	15.0	4.0	C.C	H 19.0			S 0.12	L 290
			2.C	H 18.6		B 6.4	S 0.13	
			3.C	H 18.5			S 0.13	
13/10/69	16.0	4.0	C.C	H 18.8			S 0.13	L 290
			2.C	H 18.6		B 6.4	S 0.07	L 300
			3.5	H 18.5			S 0.06	L 300
13/10/69	17.0	4.0	C.C	H 18.7			S 0.11	L 290
			2.C	H 18.5		B 6.3	S 0.07	
			3.5	H 18.5			S 0.04	
13/10/69	18.0	4.0	C.C	H 18.7			S 0.06	L 290
			2.C	H 18.5		B 6.2	S 0.03	
			3.5	H 18.5			S 0.03	
13/10/69	19.0	4.0	C.C	H 18.6			S 0.15	L 110
			2.C	H 18.5		B 7.1	S 0.18	
			3.5	H 18.5			S 0.13	
13/10/69	20.0	4.0	C.C	H 18.5			S 0.30	L 110
			2.C	H 18.4		B 6.3	S 0.26	
			3.5	H 18.5			S 0.19	
13/10/69	21.0	4.0	C.C	H 18.9			S 0.34	L 110
			2.C	H 18.4		B 6.6	S 0.26	
			3.C	H 18.4			S 0.22	
13/10/69	22.0	3.0	C.C	H 18.5			S 0.41	L 110
			2.C	H 18.4		B 6.5	S 0.35	
			3.C	H 18.3			S 0.27	
13/10/69	23.0	3.0	C.C	H 18.8			S 0.37	L 110
			2.C	H 18.5		B 6.5	S 0.24	
			2.5	H 18.5			S 0.25	

(CONTINUED)

STATION P(38.8)A (CONTINUED)

LATITUDE 37DEGREES 39.7MINUTES NORTH, LONGITUDE 77DEGREES 7.9MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	0.0	3.0	C.C 2.0	F 19.0 H 18.5		B 6.7	S 0.32 S 0.26	L 110
14/10/69	1.0	4.0	C.C 2.0 3.0	H 19.0 H 18.5 H 18.4		B 6.6	S 0.17 S 0.14 S 0.10	L 290
14/10/69	2.0	4.0	C.C 2.0 3.0	F 18.7 H 18.5 H 18.5		B 6.5	S 0.21 S 0.19 S 0.02	L 290
14/10/69	3.0	4.0	C.C 2.0 3.0	F 18.5 H 18.5 H 18.5		B 6.3	S 0.19 S 0.14 S 0.12	L 290
14/10/69	4.0	4.0	C.C 2.0 3.0	F 18.5 H 18.4 H 18.4		B 5.4	S 0.14 S 0.08 S 0.07	L 290
14/10/69	5.0	4.0	C.C 2.0 3.0	F 18.5 H 18.5 H 18.5		B 6.0	S 0.07 S 0.06 S 0.04	L 290
14/10/69	6.0	4.0	C.C 2.0 3.0	F 18.5 H 18.5 H 18.5		B 6.1	S 0.07 S 0.04 S 0.04	L 110
14/10/69	7.0	4.0	C.C 2.0	F 18.5 H 18.5		B 7.1	S 0.29 S 0.24	L 110
14/10/69	8.0	3.0	C.C 2.0	F 18.5 H 18.5		B 6.2	S 0.35 S 0.30	L 110
14/10/69	9.0	3.0	C.C 2.0	H 18.5 H 18.4		B 6.4	S 0.39 S 0.33	L 110
14/10/69	10.0	3.0	C.C 2.0	F 18.4 H 18.4		B 6.5	S 0.43 S 0.36	L 110
14/10/69	11.0	3.0	C.C 2.0	F 18.4 H 18.4		B 6.6	S 0.41 S 0.30	L 110
14/10/69	12.0	3.0	C.C 2.0	F 18.5 H 18.5		B 7.3	S 0.11 S 0.04	L 110

(CONTINUED)

STATION P(38.8)A (CONTINUED)

LATITUDE 37DEGREES 39.7MINUTES NORTH, LONGITUDE 77DEGREES 7.9MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	13.0	4.0	C.C	H 18.7			S 0.29	L 290
			2.C	H 18.6		B 6.5	S 0.23	
			3.C	H 18.6			S 0.01	
14/10/69	14.0	4.0	C.C	H 18.7			S 0.26	L 290
			2.C	H 18.7		B 6.2	S 0.24	
			3.C	H 18.7			S 0.18	

STATION P(35.5)A

LATITUDE 37DEGREES 38.2MINUTES NORTH, LONGITUDE 77DEGREES 7.4MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
13/10/69	13.0	2.C	C.C 2.C	F 18.7 H 18.7		B 7.4	U 0.28 U 0.25	U 080 U 070
13/10/69	14.0	2.C	C.C 2.C	F 19.0 H 18.8		B 6.9	U 0.16 U 0.20	U 080 U 080
13/10/69	15.0	2.C	C.C 2.C	F 19.2 H 18.8		B 7.5	U 0.20 U 0.15	U 080 U 080
13/10/69	16.0	2.C	C.C 2.C	F 19.4 H 19.0		B 6.5	U 0.19 U 0.13	U 080 U 080
13/10/69	17.0	2.C	C.C 2.C	F 19.4 H 19.0		B 6.0	U 0.19 U 0.14	U 080 U 080
13/10/69	18.0	2.C	C.C 2.C	F 19.2 H 19.0		B 6.6	U 0.04 U 0.03	U 080 U 080
13/10/69	19.0	2.C	C.C 2.C	F 19.0 H 18.8		B 6.2	U 0.21 U 0.25	U 240 U 270
13/10/69	20.0	3.C	C.C 2.C	H 18.9 F 18.9		B 6.0	U 0.21 U 0.27	U 260 U 260
13/10/69	21.0	2.C	C.C 2.C	F 18.9 H 18.8		B 7.0	U 0.33 U 0.21	U 270 U 270
13/10/69	22.0	2.C	C.C 2.C	F 18.9 H 18.8		B 6.3 B 8.0	U 0.38 U 0.38	U 260 U 270
13/10/69	23.0	2.C	C.C 2.C	F 18.8 H 18.7		B 6.3 B 6.5	U 0.26 U 0.33	U 270 U 260
14/10/69	0.0	2.C	C.C 2.C	F 18.8 H 18.7		B 6.3 B 6.4	U 0.14 U 0.11	U 260 U 270
14/10/69	1.0	2.C	C.C 2.C	F 18.8 H 18.7		B 5.6 B 6.0	U 0.23 U 0.27	U 080 U 080
14/10/69	2.0	3.C	C.C 2.C	F 18.8 H 18.8		B 4.0 B 7.1	U 0.27 U 0.23	U 080 U 090
14/10/69	3.0	3.C	C.C 2.C	F 18.9 H 18.9		B 5.9 B 6.2	U 0.20 U 0.20	U 090 U 090

(CONTINUED)

STATION P(35.5)A (CONTINUED)

LATITUDE 37DEGREES 38.2MINUTES NORTH, LONGITUDE 77DEGREES 7.4MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	4.0	3.0	C.C 2.0	F 19.0 H 18.9		B 7.2 B 5.9	U 0.11 U 0.13	U 090 U 100
14/10/69	5.0	3.0	C.C 2.0	H 19.0 H 19.0		B 5.8 B 7.1	U 0.10 U 0.06	U 100 U 090
14/10/69	6.0	3.0	C.C 2.0	H 19.0 H 19.0		B 5.9 B 6.3	U 0.03 U 0.06	U 260 U 250
14/10/69	7.0	3.0	C.C 2.0	F 18.9 H 18.9		B 7.5	U 0.27 U 0.24	U 270 U 260
14/10/69	8.0	3.0	C.C 2.0	F 18.9 H 18.8		B 6.2	U 0.35 U 0.35	U 260 U 260
14/10/69	9.0	3.0	C.C 2.0	F 18.7 H 18.7		B 5.9	U 0.39 U 0.36	U 270 U 270
14/10/69	10.0	2.0	C.C 2.0	F 18.7 H 18.7		B 6.7	U 0.40 U 0.39	U 260 U 260
14/10/69	11.0	2.0	C.C 2.0	F 18.7 H 18.7		B 5.7	U 0.38 U 0.32	U 260 U 260
14/10/69	12.0	2.0	C.C 2.0	F 18.8 H 18.7		B 6.4	U 0.11 U 0.11	U 080 U 080
14/10/69	13.0	3.0	C.C 2.0	F 19.0 H 18.9		B 5.9	U 0.31 U 0.32	U 080 U 070
14/10/69	14.0	3.0	C.C 2.0	F 19.1 H 19.0		B 7.1	U 0.26 U 0.20	U 070 U 080

STATION P(33.7)A

LATITUDE 37DEGREES 37.4MINUTES NORTH, LONGITUDE 77DEGREES 6.3MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
13/10/69	13.0	4.0	C.C	H 19.0			B 0.30	B 350
			2.0			B 6.9		
			3.5	H 18.5			B 0.21	B 330
13/10/69	14.0	4.0	C.C	H 19.3			B 0.23	B 330
			2.0		B 6.1			
			3.5	H 19.1			B 0.20	B 340
13/10/69	15.0	4.0	C.C	H 19.2			B 0.21	B 330
			2.0	H 19.2	B 7.2		B 0.16	B 320
			3.0	H 19.2			B 0.15	B 330
13/10/69	16.0	4.0	C.C	H 19.3		B 7.8	B 0.20	B 340
			2.0	H 19.2			B 0.17	B 340
			3.0	H 19.2			B 0.15	B 340
13/10/69	17.0	4.0	C.C	H 19.3		B 7.0	B 0.15	B 340
			2.0	H 19.3			B 0.11	B 340
			3.0	H 19.3			B 0.11	B 330
13/10/69	18.0	4.0	C.C	H 19.3			B 0.01	B 170
			2.0	H 19.3	B 8.0		B 0.01	B 160
			3.0	H 19.3			B 0.01	B 170
13/10/69	21.0	3.0	C.C	H 19.1		B 7.6	B 0.40	B 150
			2.0	H 19.1	B 7.0		B 0.31	B 160
13/10/69	22.0	3.0	C.C	H 19.1		B 6.7	B 0.35	B 150
			2.0	H 19.1	B 6.7		B 0.26	B 160
13/10/69	23.0	3.0	C.C	H 19.0		B 7.0	B 0.37	B 140
			2.0	H 19.0	B 7.0		B 0.27	B 150
14/10/69	0.0	3.0	C.C	H 19.0		B 6.3	B 0.00	
			2.0	H 19.0	B 6.2		B 0.00	
14/10/69	1.0	3.0	C.C	H 19.7		B 6.3	B 0.27	B 340
			2.0	H 19.1	B 4.7		B 0.18	B 350
14/10/69	2.0	3.0	C.C	H 19.3		B 3.1	B 0.23	B 360
			2.0	H 19.3	B 3.2		B 0.23	B 340
14/10/69	3.0	3.0	C.C	H 19.2		B 2.3	B 0.21	B 350
			2.0	H 19.2	B 2.9		B 0.15	B 350

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STATION P(33.7)A (CONTINUED)

LATITUDE 37DEGREES 37.4MINUTES NORTH, LONGITUDE 77DEGREES 6.3MINUTES WEST

TRANSECT OCCUPIED 13/10/69 1300 HRS TO 14/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	4.0	3.0	C.C 2.0	H 19.2 H 19.2		B 3.1 B 2.2	B 0.10 B 0.12	B 350 B 350
14/10/69	5.0	4.0	C.C 2.0	F 19.2 H 19.3		B 2.9 B 3.1	B 0.00 B 0.04	B 060 B 350
14/10/69	6.0	4.0	C.C 2.0	H 19.3 H 19.3		B 3.1 B 2.9	B 0.06 B 0.10	B 150 B 150
14/10/69	7.0	1.0	C.C 1.0	H 19.2 F 19.2		B 3.6	B 0.33 B 0.32	B 170 B 150
14/10/69	8.0	2.0	C.C 1.0 2.0	F 19.1 F 19.1		B 2.8	B 0.34 B 0.36	B 160 B 160
14/10/69	9.0	1.0	C.C 1.0 2.0	H 19.1 F 19.1		B 2.9	B 0.32 B 0.37	B 160 B 150
14/10/69	10.0	2.0	C.C 1.0 2.0	F 19.1 F 19.0		B 3.1	B 0.34 B 0.35	B 160 B 170
14/10/69	11.0	2.0	C.C 1.0 2.0	F 19.0 F 19.0		B 3.0	B 0.28 B 0.21	B 150 B 150
14/10/69	12.0	2.0	C.C 1.0 2.0	H 19.1 F 19.1		B 2.9	B 0.17 B 0.24	B 350 B 350
14/10/69	13.0	2.0	C.C 1.0 2.0	H 19.3 F 19.2		B 3.3	B 0.34 B 0.30	B 330 B 330
14/10/69	14.0	2.0	C.C 1.0 2.0	H 19.3 F 19.3		B 2.9	B 0.25 B 0.27	B 330 B 330

STATION P(29.3)A

LATITUDE 37DEGREES 35.8MINUTES NORTH, LONGITUDE 77DEGREES 3.8MINUTES WEST

TRANSECT OCCUPIED 14/10/69 2200 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	7.0	7.0	C.C	H 18.8			B 0.27	B 140
			2.C	H 19.2		B 5.2	B 0.29	B 130
			4.C	F 19.2			B 0.29	B 140
			6.5	H 19.2			B 0.23	B 150
15/10/69	8.0	7.0	C.C	H 18.7			B 0.42	B 140
			2.C	H 18.9		B 5.3	B 0.39	B 140
			4.C	F 18.9			B 0.32	B 160
			6.5	H 18.9			B 0.22	B 150
15/10/69	9.0	6.0	C.C	H 18.9			B 0.37	B 140
			2.C	F 18.9		B 5.3	B 0.33	B 140
			4.C	H 18.8			B 0.16	B 150
15/10/69	10.0	6.0	C.C	H 18.8			B 0.35	B 150
			2.C	H 18.7		B 5.5	B 0.31	B 140
			4.C	H 18.7			B 0.27	B 150
			6.C	H 18.8			B 0.19	B 140
15/10/69	11.0	6.0	C.C	H 18.7			B 0.17	B 150
			2.C	H 18.7		B 5.4	B 0.12	B 140
			6.C	H 18.7			B 0.07	B 200
15/10/69	12.0	6.0	C.C	H 18.9			B 0.12	B 350
			2.C	F 18.9		B 5.5	B 0.13	B 320
			5.8	F 18.8			B 0.17	B 320
15/10/69	13.0	6.0	C.C	H 19.1			B 0.46	B 340
			2.C	F 18.9		B 5.8	B 0.38	B 340
			4.C	F 18.8			B 0.30	B 340
			6.C	F 18.8			B 0.30	B 340
15/10/69	14.0	6.0	C.C	F 19.0			B 0.45	B 340
			2.C	F 18.9		B 5.7	B 0.42	B 340
			4.C	F 18.9			B 0.37	B 330
			6.C	H 18.8			B 0.30	B 340
15/10/69	15.0	6.0	C.C	F 18.9			B 0.29	B 340
			2.C	H 18.9		B 5.7	B 0.39	B 320
			4.C	F 18.9			B 0.31	B 330
			6.C	H 18.9			B 0.24	B 330

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STATION P(29.3)A (CONTINUED)

LATITUDE 37DEGREES 35.8MINUTES NORTH, LONGITUDE 77DEGREES 3.8MINUTES WEST

TRANSECT OCCUPIED 14/10/69 2200 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPT-	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	16.0	7.0	0.0	H 18.9			B 0.37	B 340
			2.0	F 19.0		B 5.8	B 0.35	B 350
			4.0	H 19.0			B 0.30	B 350
			6.5	F 19.0			B 0.26	B 340
15/10/69	17.0	7.0	0.0	H 19.2			B 0.32	B 330
			2.0	H 19.2		B 6.1	B 0.31	B 330
			4.0	F 19.2			B 0.27	B 330
			6.5	F 19.2			B 0.21	B 340

STATION P(29.3)B

LATITUDE 37DEGREES 35.7MINUTES NORTH, LONGITUDE 77DEGREES 3.9MINUTES WEST

TRANSECT OCCUPIED 14/10/69 2200 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	7.0	4.0	C.C	H 19.0			B 0.35	B 140
			2.0	H 18.9			B 0.30	B 130
			3.8	H 18.9			B 0.22	B 140
15/10/69	8.0	4.0	C.C	H 18.7			B 0.41	B 140
			2.0	H 18.7			B 0.34	B 140
			3.5	H 18.7			B 0.29	B 150
15/10/69	9.0	4.0	C.C	H 18.7			B 0.41	B 140
			2.0	H 18.7			B 0.30	B 140
			3.5	H 18.7			B 0.28	B 150
15/10/69	10.0	3.0	C.C	H 18.5			B 0.34	B 140
			2.0	H 18.5			B 0.29	B 140
			3.0	H 18.5			B 0.26	B 150
15/10/69	11.0	3.0	C.C	H 18.7			B 0.06	B 130
			2.0	H 18.7			B 0.09	B 130
15/10/69	12.0	2.0	C.C	H 19.0			B 0.25	B 330
15/10/69	13.0	2.0	C.C	H 19.1			B 0.27	B 340
15/10/69	14.0	4.0	C.C	H 19.2			B 0.20	B 330
			2.0	H 19.1			B 0.23	B 340
			3.0	H 19.1			B 0.20	B 350
15/10/69	15.0	2.0	C.C	H 19.1			B 0.22	B 350
15/10/69	16.0	3.0	C.C	H 19.0			B 0.20	B 340
15/10/69	17.0	4.0	C.C	H 19.0			B 0.16	B 340
			3.0	H 19.0			B 0.14	B 330

STATION P(29.3)C

LATITUDE 37DEGREES 35.7MINUTES NORTH, LONGITUDE 77DEGREES 3.9MINUTES WEST

TRANSECT OCCUPIED 14/10/69 2200 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	22.0	6.0	C.C	H 19.5			B 0.53	B 140
			2.C	H 19.6		B 5.2	B 0.53	B 140
14/10/69	23.0	6.0	C.C	H 19.4			B 0.35	B 150
			2.C	H 19.4		B 5.6		B 150
15/10/69	0.0	6.0	C.C	H 19.4			B 0.28	B 150
			2.C	H 19.4		B 5.6	B 0.26	B 150
15/10/69	1.0	6.0	C.C	H 19.6			B 0.22	B 140
			2.C	H 19.6		B 5.5	B 0.21	B 150
15/10/69	2.0	6.0	C.C	H 19.6			B 0.20	B 130
			2.C	H 19.6		B 5.6	B 0.18	B 140
15/10/69	3.0	6.0	C.C	H 19.4			B 0.10	B 200
			2.C	H 19.2		B 5.4	B 0.10	B 190
15/10/69	4.0	6.0	C.C	H 19.3			B 0.01	B 340
			2.C	H 19.2		B 5.5	B 0.01	B 340
15/10/69	5.0	6.0	C.C	H 19.2			B 0.01	B 340
			2.C	H 19.2		B 5.5	B 0.01	B 350
15/10/69	6.0	6.0	C.C	H 19.1			B 0.01	B 180
			2.C	H 19.1		B 5.5		B 180

STATION P(26.1)A

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 77DEGREES 0.7MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	19.0	5.0	C.C	J 20.5	R 00.1		C 0.42	C 120
			2.C	J 20.5	R 00.1	B 5.8	C 0.37	C 120
			4.C	J 20.5	R 00.1		C 0.25	C 110
14/10/69	20.0	5.0	C.C	J 20.5	R 00.1		C 0.41	C 120
			2.C	J 20.5	R 00.1	B 5.8	C 0.33	C 120
			4.C	J 20.5	R 00.1		C 0.25	C 120
14/10/69	21.0	5.0	C.C	J 20.2	R 00.1		C 0.42	C 110
			2.C	J 20.3	R 00.1	B 5.6	C 0.37	C 130
			4.C	J 20.3	R 00.1		C 0.26	C 110
14/10/69	22.0	5.0	C.C	J 20.1	R 00.1		C 0.40	C 100
			2.C	J 20.1	R 00.1	B 5.5	C 0.37	C 110
			4.C		R 00.1		C 0.26	C 110
14/10/69	23.0	5.0	C.C	J 20.0	R 00.1		C 0.07	C 110
			2.C	J 20.0	R 00.2	B 5.6	C 0.07	C 110
			4.C	J 20.0	R 00.1		C 0.08	C 100
15/10/69	0.0	4.0	C.C	J 19.8	R 00.1		C 0.24	C 300
			2.C	J 19.8	R 00.1	B 5.4	C 0.21	C 290
			4.C	J 19.8	R 00.1		C 0.17	C 290
15/10/69	1.0	4.0	C.C	J 19.7	R 00.1		C 0.21	C 310
			2.C	J 20.0	R 00.1	B 5.8	C 0.22	C 310
			4.C	J 20.0	R 00.1		C 0.18	C 300
15/10/69	2.0	5.0	C.C	J 19.9	R 00.1		C 0.29	C 300
			2.C	J 19.8	R 00.1	B 5.7	C 0.29	C 310
			4.C	J 19.8	R 00.1		C 0.16	C 300
15/10/69	3.0	5.0	C.C	J 19.9	R 00.1		C 0.26	C 310
			2.C	J 19.9	R 00.1	B 6.1	C 0.24	C 320
			4.C	J 19.9	R 00.1		C 0.15	C 320
15/10/69	4.0	5.0	C.C	J 19.8	R 00.1		C 0.15	C 300
			2.C	J 19.7	R 00.1	B 6.0	C 0.11	C 310
			4.C	J 19.7	R 00.1		C 0.06	C 310
15/10/69	5.0	5.0	C.C	J 19.5	R 00.1		C 0.06	C 300
			2.C	J 19.8	R 00.1	B 5.8	C 0.04	C 310
			4.C	J 19.5	R 00.1		C 0.02	C 210

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STATION P(26.1)A (CONTINUED)

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 77DEGREES 0.7MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	6.0	5.0	C.C	J 19.4	R 00.1		C 0.11	C 110
			2.C	J 19.6	R 00.1	B 5.9	C 0.15	C 100
			4.C	J 19.5	R 00.1		C 0.08	C 120
15/10/69	7.0	4.0	C.C	J 19.2	R 00.1		C 0.38	C 120
			2.C	J 19.4	R 00.1	B 6.0	C 0.27	C 120
			4.C	J 19.5	R 00.1		C 0.16	C 120
15/10/69	8.0	4.0	C.C	J 19.1	R 00.1		C 0.38	C 120
			2.C	J 19.3	R 00.1	B 5.9	C 0.32	C 110
			3.8	J 19.4	R 00.1		C 0.19	C 140
15/10/69	9.0	4.0	C.C	J 19.0	R 00.1		C 0.41	C 120
			2.C	J 19.1	R 00.1	B 6.1	C 0.30	C 120
			4.C	J 19.1	R 00.1		C 0.21	C 120
15/10/69	10.0	4.0	C.C	J 18.9	R 00.2		C 0.26	C 140
			2.C	J 19.0		B 6.2	C 0.16	C 140
			4.C	J 19.1	R 00.1		C 0.14	C 130
15/10/69	11.0	4.0	C.C	J 19.0	R 00.1		C 0.15	C 220
			2.C	J 18.9	R 00.1	B 6.3	C 0.12	C 130
			4.C	J 18.9	R 00.1		C 0.10	C 350
15/10/69	12.0	4.0	C.C	J 19.1	R 00.1		C 0.24	C 280
			2.C	J 18.9	R 00.1	B 6.2	C 0.23	C 330
			4.C	J 18.9	R 00.1		C 0.15	C 310
15/10/69	13.0	4.0	C.C	J 19.4	R 00.1		C 0.37	C 320
			2.C	J 19.1	R 00.1	B 6.6	C 0.34	C 330
			4.C	J 19.1	R 00.1		C 0.21	C 300
15/10/69	14.0	5.0	C.C	J 19.5	R 00.1		C 0.33	C 290
			2.C	J 19.2	R 00.1	B 6.7	C 0.36	C 310
			4.C	J 19.2	R 00.1		C 0.21	C 320
15/10/69	15.0	5.0	C.C	J 19.6	R 00.1		C 0.28	C 330
			2.C	J 19.5	R 00.1	B 6.7	C 0.32	C 310
			4.C	J 19.5	R 00.1		C 0.20	C 290
15/10/69	16.0	5.0	C.C	J 19.6	R 00.1		C 0.28	C 320
			2.C	J 19.6	R 00.1	B 6.7	C 0.26	C 290
			4.C	J 19.6	R 00.1		C 0.17	C 320

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STATION P(26.1)A (CONTINUED)

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 77DEGREES 0.7MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	17.0	5.C	0.C	J 19.7	R 00.1		C 0.23	C 300
			2.C	J 19.7	R 00.1	B 6.7	C 0.21	C 300
			4.C	J 19.7	R 00.1		C 0.16	C 310

STATION P(26.1)B

LATITUDE 37DEGREES 33.8MINUTES NORTH, LONGITUDE 77DEGREES 0.8MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	19.4	5.0	0.0	J 20.5	R 00.1		C 0.48	C 100
			2.0	J 20.5	R 00.1		C 0.46	C 100
			4.0	J 20.5	R 00.1		C 0.38	C 100
14/10/69	20.2	5.0	0.0	J 20.4	R 00.1		C 0.50	C 100
			2.0	J 20.4	R 00.1		C 0.50	C 100
			4.0	J 20.4	R 00.1		C 0.39	C 110
14/10/69	21.2	5.0	0.0	J 20.2	R 00.1		C 0.50	C 100
			2.0	J 20.2	R 00.1		C 0.47	C 110
			4.0	J 20.3	R 00.1		C 0.43	C 100
14/10/69	22.2	7.0	0.0	J 20.0	R 00.1		C 0.46	C 100
			2.0	J 20.1	R 00.1		C 0.40	C 100
			4.0	J 20.1	R 00.1		C 0.29	C 100
			6.0	J 20.1	R 00.1		C 0.25	C 110
14/10/69	23.2	5.0	0.0	J 19.8	R 00.1		C 0.11	C 100
			2.0	J 20.0	R 00.1		C 0.04	C 130
			4.0	J 20.0	R 00.1		C 0.04	C 190
			5.5		R 00.1		C 0.04	C 190
15/10/69	0.2	6.0	0.0	J 19.9	R 00.1		C 0.18	C 270
			2.0	J 19.9	R 00.1		C 0.20	C 280
			4.0	J 20.0	R 00.1		C 0.18	C 290
			5.5		R 00.1			
15/10/69	1.2	6.0	0.0	J 19.8	R 00.1		C 0.33	C 290
			2.0	J 20.0	R 00.1		C 0.34	C 290
			4.0	J 20.0	R 00.1		C 0.25	C 290
			5.5		R 00.1			
15/10/69	2.2	6.0	0.0	J 19.8	R 00.1		C 0.33	C 290
			2.0	J 19.9	R 00.1		C 0.34	C 300
			4.0	J 19.9	R 00.1		C 0.22	C 290
			6.0		R 00.1			
15/10/69	3.2	6.0	0.0	J 19.8	R 00.1		C 0.30	C 300
			2.0	J 19.9	R 00.1		C 0.26	C 300
			4.0	J 19.9	R 00.1		C 0.20	C 290
			6.0		R 00.1			

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STATION P(26.1)B (CONTINUED)

LATITUDE 37DEGREES 33.8MINUTES NORTH, LONGITUDE 77DEGREES 0.8MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	4.2	6.0	0.0	J 19.6	R 00.1		C 0.19	C 290
			2.0	J 19.8	R 00.1		C 0.19	C 300
			4.0	J 19.8	R 00.1		C 0.11	C 300
			6.0		R 00.1			
15/10/69	5.2	6.0	0.0	J 19.7	R 00.1		C 0.02	C 250
			2.0	J 19.8	R 00.1		C 0.03	C 090
			4.0	J 19.7	R 00.1		C 0.03	C 090
			6.0		R 00.1			
15/10/69	6.2	6.0	0.0	J 19.1	R 00.1		C 0.18	C 110
			2.0	J 19.5	R 00.1		C 0.18	C 120
			4.0	J 19.5	R 00.1		C 0.20	C 120
			5.0		R 00.1		C 0.18	C 110
15/10/69	7.2	6.0	0.0	J 19.0	R 00.1		C 0.33	C 100
			2.0	J 19.4	R 00.1		C 0.34	C 110
			4.0	J 19.4	R 00.1		C 0.30	C 100
			6.0	J 19.5	R 00.1		C 0.20	C 110
15/10/69	8.2	6.0	0.0	J 19.4	R 00.1		C 0.40	C 110
			2.0	J 19.5	R 00.1		C 0.37	C 120
			4.0	J 19.5	R 00.1		C 0.36	C 110
			5.4	J 19.5	R 00.1		C 0.20	C 100
15/10/69	9.2	6.0	0.0	J 19.0	R 00.1		C 0.39	C 120
			2.0	J 19.1	R 00.1		C 0.34	C 120
			4.0	J 19.1	R 00.1		C 0.28	C 110
			5.5	J 19.1	R 00.1		C 0.21	C 110
15/10/69	10.2	6.0	0.0	J 18.9	R 00.1		C 0.33	C 120
			2.0	J 19.0	R 00.1		C 0.23	C 110
			4.0	J 19.0	R 00.1		C 0.18	C 120
			5.3	J 19.0			C 0.17	C 100
			6.0		R 00.1			
15/10/69	11.2	5.0	0.0	J 19.1	R 00.1		C 0.12	C 180
			2.0	J 19.1	R 00.1		C 0.04	C 040
			4.0	J 19.1	R 00.1		C 0.07	C 340
			4.4	J 19.1			C 0.07	C 330
15/10/69	12.2	5.0	0.0	J 19.1	R 00.1		C 0.27	C 290
			2.0	J 19.1	R 00.1		C 0.25	C 290
			4.0	J 18.9	R 00.1		C 0.25	C 290

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STATION P(26.1)B (CONTINUED)

LATITUDE 37DEGREES 33.8MINUTES NORTH, LONGITUDE 77DEGREES 0.8MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	13.2	5.0	0.0	J 19.2	R 00.1		C 0.47	C 310
			2.0	J 19.2	R 00.1		C 0.39	C 280
			4.0	J 19.2	R 00.1		C 0.36	C 300
			4.5	J 19.2			C 0.28	C 280
15/10/69	14.2	6.0	0.0	J 19.4	R 00.1		C 0.47	C 310
			2.0	J 19.4	R 00.1		C 0.39	C 300
			4.0	J 19.4	R 00.1		C 0.33	C 310
			5.5	J 19.4			C 0.27	C 300
			6.0		R 00.1			
15/10/69	15.2	6.0	0.0	J 19.5	R 00.1		C 0.40	C 300
			2.0	J 19.5	R 00.1		C 0.40	C 300
			4.0	J 19.5	R 00.1		C 0.33	C 290
			5.5	J 19.5			C 0.23	C 300
			6.0		R 00.1			
15/10/69	16.2	6.0	0.0	J 19.6	R 00.1		C 0.37	C 300
			2.0	J 19.6	R 00.1		C 0.34	C 300
			4.0	J 19.6	R 00.1		C 0.26	C 300
			6.0		R 00.1		C 0.26	C 290
15/10/69	17.2	6.0	0.0	J 19.1	R 00.1		C 0.27	C 290
			2.0	J 19.5	R 00.1		C 0.28	C 300
			4.0	J 19.6	R 00.1		C 0.24	C 300
			5.5	J 19.6	R 00.1		C 0.18	C 300

STATION P(22.5)A

LATITUDE 37CEGREES 35.2MINUTES NORTH, LONGITUDE 76DEGREES 58.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	19.0	7.0	0.0	H 20.5	R 00.3	B 6.1	A 0.55	A 090
			2.0	H 20.6	R 00.1		A 0.50	A 090
			4.0	H 20.6	R 00.1		A 0.48	A 090
			6.0	H 20.6	R 00.1		A 0.40	A 090
14/10/69	20.0	7.0	0.0	F 20.1	R 00.1	B 5.9	A 0.55	A 100
			2.0	F 20.4	R 00.1		A 0.60	A 100
			4.0	F 20.4	R 00.1		A 0.50	A 100
			6.0	F 20.4	R 00.1		A 0.42	A 100
14/10/69	21.0	7.0	0.0	H 20.2	R 00.1	B 6.6	A 0.55	A 100
			2.0	F 20.3	R 00.1		A 0.55	A 110
			4.0	F 20.3	R 00.1		A 0.44	A 100
			6.0	F 20.3	R 00.1		A 0.43	A 100
14/10/69	22.0	7.0	0.0	F 20.3	R 00.1	B 6.1	A 0.40	A 080
			2.0	F 20.3	R 00.1		A 0.41	A 100
			4.0	F 20.3	R 00.1		A 0.37	A 100
			6.0	F 20.3	R 00.1		A 0.32	A 110
14/10/69	23.0	7.0	0.0	F 19.9	R 00.1	B 6.0	A 0.21	A 090
			2.0	F 20.1	R 00.1		A 0.06	A 110
			4.0	F 20.3	R 00.1		A 0.14	A 090
			6.0	F 20.3	R 00.1		A 0.13	A 090
15/10/69	0.0	7.0	0.0	F 19.9	R 00.1	B 6.0	A 0.13	A 240
			2.0	F 20.1	R 00.1		A 0.15	A 260
			4.0	F 20.2	R 00.1		A 0.18	A 280
			6.0	F 20.2	R 00.1		A 0.19	A 290
15/10/69	1.2	7.0	0.0	F 20.2	R 00.1	B 6.0	A 0.34	A 280
			2.0	F 20.2	R 00.1		A 0.34	A 280
			4.0	F 20.2	R 00.1		A 0.29	A 280
			6.0	F 20.2	R 00.1		A 0.27	A 270
15/10/69	2.0	7.0	0.0	F 19.8	R 00.1	B 6.0	A 0.32	A 270
			2.0	F 20.0	R 00.1		A 0.30	A 270
			4.0	F 20.1	R 00.1		A 0.32	A 270
			6.0	F 20.1	R 00.1		A 0.28	A 280
15/10/69	3.0	7.0	0.0	F 19.8	R 00.1	B 6.1	A 0.27	A 280
			2.0	F 20.0	R 00.1		A 0.28	A 300
			4.0	F 20.0	R 00.1		A 0.26	A 270
			6.0	F 20.1	R 00.1		A 0.21	A 280

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STATION P(22.5)A (CONTINUED)

LATITUDE 37DEGREES 35.2MINUTES NORTH, LONGITUDE 76DEGREES 58.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	4.0	7.0	C.C	H 19.8	R 00.1	B 6.2	A 0.19	A 270
			2.C	H 19.9	R 00.1		A 0.22	A 300
			4.C	H 20.0	R 00.1		A 0.20	A 280
			6.C	H 20.0	R 00.1		A 0.16	A 260
15/10/69	5.2	7.0	C.C	H 19.8	R 00.1	B 6.1	C 0.04	A 270
			2.C	H 20.0	R 00.1		C 0.06	A 300
			4.C	H 20.0	R 00.1		C 0.04	A 290
			6.C	H 20.0	R 00.1		C 0.01	A 300
15/10/69	6.0	7.0	C.C	H 19.9	R 00.1	B 6.4	A 0.11	A 100
			2.C	H 20.0	R 00.1		A 0.11	A 100
			4.C	H 20.0	R 00.1		A 0.17	A 100
			6.C	H 20.0	R 00.1		A 0.13	A 100
15/10/69	7.0	7.0	C.C	H 19.7	R 00.1	B 6.3	A 0.35	A 100
			2.C	H 19.9	R 00.1		A 0.35	A 100
			4.C	H 19.9	R 00.1		A 0.35	A 100
			6.C	H 19.9	R 00.1		A 0.25	A 110
15/10/69	8.0	7.0	C.C	H 19.7	R 00.1	B 6.5	A 0.42	A 100
			2.C	H 19.7	R 00.1		A 0.40	A 110
			4.C	H 19.7	R 00.1		A 0.36	A 090
			6.C	H 19.8	R 00.1		A 0.25	A 110
15/10/69	9.0	6.0	C.C	H 19.4	R 00.1	B 6.9	A 0.39	A 110
			2.C	H 19.5	R 00.1		A 0.39	A 100
			4.C	H 19.5	R 00.1		A 0.04	A 100
			5.C	H 19.5	R 00.1		A 0.27	A 110
15/10/69	10.0	6.0	C.C	H 19.5	R 00.1	B 6.9	A 0.26	A 130
			2.C	H 19.4	R 00.1		A 0.27	A 110
			4.C	H 19.4	R 00.1		A 0.21	A 110
			5.C	H 19.4	R 00.1		A 0.17	A 090
15/10/69	11.0	6.0	C.C	H 19.5	R 00.1	B 6.8	A 0.15	A 180
			2.C	H 19.4	R 00.1		A 0.13	A 310
			4.C	H 19.4	R 00.1		A 0.12	A 300
			5.C	H 19.4	R 00.1		A 0.10	A 200
15/10/69	12.0	7.0	C.C	H 19.7	R 00.1	B 6.3	A 0.30	A 280
			2.C	H 19.4	E 00.1		A 0.30	A 270
			4.C	H 19.4	R 00.1		A 0.27	A 300
			6.C	H 19.4	R 00.1		A 0.22	A 290

(CONTINUED)

STATION P(22.5)A (CONTINUED)

LATITUDE 37DEGREES 35.2MINUTES NORTH, LONGITUDE 76DEGREES 58.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DATE-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	13.0	7.C	C.C	F 19.8	R 00.1	B 6.1	A 0.42	A 270
			2.C	F 19.8	R 00.1		A 0.42	A 290
			4.C	F 19.7	R 00.1		A 0.32	A 280
			6.C	F 19.7	R 00.1		A 0.26	A 300
15/10/69	14.0	8.C	C.C	F 19.9	R 00.1	B 7.6	A 0.38	A 290
			2.C	F 19.9	R 00.1		A 0.33	A 270
			4.C	F 19.8	R 00.1		A 0.33	A 300
			6.C	F 19.8	R 00.1		A 0.33	A 290
15/10/69	15.0	8.C	C.C	F 19.9	R 00.1	B 5.9	A 0.38	A 280
			2.C	F 19.8	R 00.1		A 0.34	A 280
			4.C	F 19.8	R 00.1		A 0.30	A 290
			6.C	F 19.8	R 00.1		A 0.27	A 290
15/10/69	16.0	8.C	C.C	F 19.8	R 00.1	B 5.5	A 0.34	A 290
			2.C	F 19.8	R 00.1		A 0.28	A 290
			4.C	F 19.8			A 0.25	A 290
			6.C	F 19.8			A 0.24	A 300
15/10/69	17.0	8.C	C.C	F 19.9	R 00.1	B 4.4	A 0.22	A 280
			2.C	F 19.8	R 00.1		A 0.21	A 280
			4.C	F 19.7			A 0.18	A 280
			6.C	F 19.7			A 0.14	A 280

STATION P(22.5)B

LATITUDE 37DEGREES 35.1MINUTES NORTH, LONGITUDE 76DEGREES 58.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HLUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	19.3	3.0	C.C 2.C	H 20.4 F 20.5	R 00.1 R 00.1		A 0.43 A 0.38	A 100 A 090
14/10/69	20.2	3.0	C.C 2.C	F 20.2 F 20.4	R 00.1 R 00.1		A 0.46 A 0.34	A 090 A 100
14/10/69	21.4	3.0	C.C 2.C	H 20.0 F 20.3	R 00.1 R 00.1		A 0.40 A 0.26	A 090 A 110
14/10/69	22.2	3.0	C.C 2.C	F 20.2 H 20.2	R 00.1 R 00.1		A 0.34 A 0.30	A 090 A 100
14/10/69	23.2	3.0	C.C 2.C	F 19.8 F 20.1	R 00.1 R 00.1		A 0.07 A 0.14	A 140 A 260
15/10/69	0.2	3.0	C.C 2.C	H 19.9 H 20.1	R 00.1 R 00.1		A 0.16 A 0.15	A 230 A 230
15/10/69	1.3	3.0	C.C 2.C	F 19.9 F 20.1	R 00.1 R 00.1		A 0.31 A 0.30	A 280 A 280
15/10/69	2.2	3.0	C.C 2.C	F 19.9 F 20.0	R 00.1 R 00.1		A 0.34 A 0.23	A 280 A 270
15/10/69	3.2	3.0	C.C 2.C	F 19.8 F 20.0	R 00.1 R 00.1		A 0.32 A 0.25	A 280 A 270
15/10/69	4.2	3.0	C.C 2.C	F 19.8 F 20.0	R 00.1 R 00.1		A 0.20 A 0.19	A 280 A 270
15/10/69	5.3	3.0	C.C 2.C	F 19.8 H 19.9	R 00.1 R 00.1		A 0.06 A 0.01	A 240 A 100
15/10/69	6.2	3.0	C.C 2.C	H 19.7 F 19.8	R 00.1 R 00.1		A 0.20 A 0.18	A 090 A 090
15/10/69	7.3	3.0	C.C 2.C	F 19.6 F 19.8	R 00.1 R 00.0		A 0.34 A 0.26	A 090 A 110
15/10/69	8.2	3.0	C.C 2.C	F 19.5 H 19.6	R 00.1 R 00.1		A 0.33 A 0.22	A 110 A 100
15/10/69	9.2	3.0	C.C 2.C	F 18.1 F 18.3	R 00.1		A 0.25 A 0.13	A 110 A 110

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53.

STATION P(22.5)B (CONTINUED)

LATITUDE 37DEGREES 35.1MINUTES NORTH, LONGITUDE 76DEGREES 58.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	10.2	3.C	C.C 2.C	H 19.4 H 19.4	R 00.1 R 00.1		A 0.21 A 0.12	A 110 A 080
15/10/69	11.2	3.C	C.C 2.C	H 19.4 H 19.2	R 00.1 R 00.1		A 0.10 A 0.10	A 200 A 300
15/10/69	12.2	2.C	C.C 1.C	H 19.6 H 19.4	R 00.1 R 00.1		A 0.34 A 0.31	A 260 A 300
15/10/69	13.2	3.C	C.C 2.C	H 19.7 H 19.7	R 00.1 R 00.1		A 0.48 A 0.35	A 270 A 290
15/10/69	14.2	3.C	C.C 2.C	H 19.7 H 19.8	R 00.1 R 00.1		A 0.35 A 0.31	A 270 A 290
15/10/69	15.2	3.C	C.C 2.C	H 19.7	R 00.1 R 00.1		A 0.37 A 0.31	A 280 A 290
15/10/69	16.2	3.C	C.C 2.C	H 19.8 H 19.8	R 00.1 R 00.1		A 0.28 A 0.22	A 280 A 280
15/10/69	17.2	3.C	C.C 2.C	H 19.7 H 19.7	R 00.1 R 00.1		A 0.12 A 0.10	A 260 A 270

STATION P(22.5)C

LATITUDE 37DEGREES 35.1MINUTES NORTH, LONGITUDE 76DEGREES 58.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	19.4	2.0	C.C 2.C	F 20.4 H 20.5	R 00.1 R 00.1		A 0.45 A 0.40	A 080 A 090
14/10/69	20.4	2.0	C.C 2.C	F 20.0 H 20.2	R 00.1 R 00.1		A 0.43 A 0.40	A 090 A 090
14/10/69	21.6	2.0	C.C 2.C	H 20.0 F 20.0	R 00.1 R 00.1		A 0.35 A 0.30	A 090 A 090
14/10/69	22.2	2.0	C.C 2.C	H 20.0 H 20.2	R 00.1 R 00.1		A 0.23 A 0.17	A 080 A 090
14/10/69	23.2	2.0	C.C 2.C	F 19.7 H 20.0	R 00.1 R 00.1		A 0.18 A 0.10	A 260 A 250
15/10/69	0.2	2.0	C.C 2.C	F 19.8 H 20.0	R 00.1 R 00.1		A 0.24 A 0.27	A 270 A 270
15/10/69	1.4	2.0	C.C 2.C	F 19.8 H 20.0	R 00.1 R 00.1		A 0.30 A 0.32	A 270 A 280
15/10/69	2.2	2.0	C.C 2.C	F 19.8 F 20.0	R 00.1 R 00.1		A 0.25 A 0.22	A 260 A 260
15/10/69	3.2	2.0	C.C 2.C	F 19.5 H 19.9	R 00.1 R 00.1		A 0.26 A 0.26	A 250 A 280
15/10/69	4.2	2.0	C.C 2.C	H 19.7 H 19.9	R 00.1 R 00.1		A 0.17 A 0.06	A 280 A 240
15/10/69	5.5	2.0	C.C 2.C	F 19.5 F 19.7	R 00.1 R 00.1		A 0.20 A 0.14	A 100 A 100
15/10/69	6.2	3.0	C.C 2.C	F 19.6 F 19.6	R 00.1 R 00.1		A 0.28 A 0.24	A 090 A 080
15/10/69	7.4	3.0	C.C 2.C	H 19.7 F 19.8	R 00.1 R 00.1		A 0.33 A 0.29	A 100 A 080
15/10/69	8.2	3.0	C.C 2.C	F 19.4 H 19.4	R 00.1 R 00.1		A 0.29 A 0.21	A 110 A 110
15/10/69	9.3	2.0	C.C 2.C	F 18.0 H 18.0	R 00.1 R 00.1		A 0.27 A 0.19	A 100 A 090

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STATION P(22.5)C (CONTINUED)

LATITUDE 37DEGREES 35.1MINUTES NORTH, LONGITUDE 76DEGREES 58.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	10.2	3.0	C.C 2.C	H 19.3 H 19.2	R 00.1 R 00.1		A 0.16 A 0.04	A 120 A 090
15/10/69	11.4	3.0	C.C 2.C	H 19.5	R 00.1 R 00.1		A 0.19 A 0.19	A 240 A 270
15/10/69	12.4	3.0	C.C 2.C	H 19.6 H 19.4	R 00.1 R 00.1		A 0.37 A 0.31	A 270 A 290
15/10/69	13.3	3.0	C.C 2.C	H 19.7 H 19.7	R 00.1 R 00.1		A 0.43 A 0.03	A 280 A 270
15/10/69	14.3	3.0	C.C 2.C	H 19.8 H 19.8	R 00.1 R 00.1		A 0.43 A 0.34	A 270 A 300
15/10/69	15.3	3.0	C.C 2.C	H 19.8 H 19.8	R 00.1 R 00.1		A 0.40 A 0.31	A 270 A 280
15/10/69	16.3	3.0	C.C 2.C	H 19.7 H 19.8	R 00.1 R 00.1		A 0.30 A 0.25	A 270 A 270
15/10/69	17.3	3.0	C.C 2.C	H 19.7 H 19.8	R 00.1 R 00.1		A 0.13 A 0.12	A 270 A 260

STATION P(20.7)A

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 76DEGREES 57.3MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	19.0	10.0	C.C	F 20.6	R 00.1		S 0.58	L 190
			2.C	H 20.6	R 00.1	B 5.6	S 0.59	
			4.C	F 20.6	R 00.1		S 0.57	
			6.C	H 20.6	R 00.1		S 0.49	
			8.C	F 20.6	R 00.1		S 0.46	
			10.C	H 20.6	R 00.1		S 0.46	
14/10/69	20.2	10.0	C.C	H 19.7	R 00.1		S 0.06	L 190
			2.C	F 20.3	R 00.1	B 5.7	S 0.68	
			4.C	F 20.5	R 00.1		S 0.63	
			6.C	F 20.6	R 00.1		S 0.63	
			8.C	H 20.6	R 00.1		S 0.58	
			10.C	H 20.6	R 00.1		S 0.34	
14/10/69	21.2	10.0	C.C	F 20.3	R 00.1		S 0.44	L 190
			2.C	F 20.5	R 00.1	B 6.2	S 0.41	
			4.C	F 20.5	R 00.1		S 0.43	
			6.C	F 20.5	R 00.1		S 0.43	
			8.C	F 20.5	R 00.1		S 0.38	
			9.C	F 20.5	R 00.1		S 0.29	
14/10/69	22.1	9.0	C.C	F 19.5	R 00.1		S 0.38	L 190
			2.C	H 20.4	R 00.1	B 6.3	S 0.29	
			4.C	F 20.4	R 00.1		S 0.25	
			6.C	H 20.4	R 00.1		S 0.23	
			8.C	F 20.4	R 00.1			
			9.C	H 20.5				
14/10/69	23.0	9.0	C.C	F 20.2	R 00.1		S 0.10	L 190
			2.C	F 20.2	R 00.1	B 5.8	S 0.04	
			4.C	F 20.3	R 00.1		S 0.06	
			6.C	F 20.3	R 00.1		S 0.06	
			8.C	F 20.3	R 00.1		S 0.13	
15/10/69	0.0	9.0	C.C	F 20.0	R 00.1		S 0.19	L 190
			2.C	F 20.2	R 00.1	B 4.6	S 0.03	
			4.C	F 20.2	R 00.1		S 0.29	
			6.C	F 20.2	R 00.1		S 0.32	
			8.C	F 20.2	R 00.1		S 0.27	
15/10/69	1.0	10.0	C.C	F 20.2	R 00.1		S 0.48	L 010
			2.C	F 20.3	R 00.1	B 5.9	S 0.44	
			4.C	H 20.3	R 00.1		S 0.44	
			6.C	F 20.2	R 00.1		S 0.41	
			8.C	F 20.2	R 00.1		S 0.38	

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STATION P(20.7)A (CONTINUED)

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 76DEGREES 57.3MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	2.0	10.0	C.C	H 20.0	R 00.1	B 5.9	S 0.33	L 010
			2.C	H 20.2	R 00.1		S 0.31	
			4.C	H 20.2	R 00.1		S 0.28	
			6.C	H 20.2	R 00.1		S 0.33	
			8.C	H 20.2	R 00.1		S 0.39	
			9.C	H 20.2			S 0.35	
15/10/69	3.0	10.0	C.C	H 20.1	R 00.1	B 6.3	S 0.03	L 010
			2.C	H 20.1	R 00.1		S 0.38	
			4.C	F 20.2	R 00.1		S 0.38	
			6.C	H 20.2	R 00.1		S 0.36	
			8.C	F 20.2	R 00.1		S 0.34	
			9.C	F 20.2			S 0.20	
15/10/69	4.2	9.0	C.C	H 20.1	R 00.1	B 5.9	S 0.19	L 010
			2.C	F 20.1	R 00.1		S 0.34	
			4.C	H 20.1	R 00.1		S 0.30	
			6.C	F 20.1	R 00.1		S 0.19	
			8.C	H 20.0	R 00.1		S 0.20	
15/10/69	5.2	10.0	C.C	F 20.1	R 00.1	B 6.2	S 0.08	L 010
			2.C	F 20.1	R 00.1		S 0.10	
			4.C	F 20.1	R 00.1		S 0.17	
			6.C	H 20.1	R 00.1		S 0.09	
			8.C	F 20.1	R 00.1		S 0.04	
			9.C	H 20.1			S 0.06	
15/10/69	6.0	10.0	C.C	F 19.7	R 00.1	B 6.1	S 0.21	L 190
			2.C	H 19.9	R 00.1		S 0.19	
			4.C	H 19.8	R 00.1		S 0.19	
			6.C	F 20.0	R 00.1		S 0.19	
			8.C	H 20.1	R 00.1		S 0.19	
			9.C	F 20.0	R 00.1		S 0.20	
15/10/69	7.0	10.0	C.C	H 19.9	R 00.1	B 6.2	S 0.35	L 190
			2.C	F 19.7	R 00.1		S 0.39	
			4.C	F 19.9	R 00.1		S 0.39	
			6.C	F 19.9	R 00.1		S 0.34	
			8.C	F 20.0	R 00.1		S 0.28	
			9.C	H 20.0	R 00.1		S 0.28	

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STATION P(20.7)A (CONTINUED)

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 76DEGREES 57.3MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	8.0	10.0	C.C	F 19.6	R 00.1		S 0.50	L 190
			2.C	F 19.7	R 00.1	B 5.8	S 0.44	
			4.C	F 19.9	R 00.1		S 0.44	
			6.C	F 19.9	R 00.1		S 0.30	
			8.C	F 20.0	R 00.1		S 0.30	
			9.C	F 20.0	R 00.1		S 0.28	
15/10/69	9.0	10.0	C.C	H 19.2	R 00.1		S 0.35	L 190
			2.C	H 19.5	R 00.1	B 6.1	S 0.31	
			4.C	F 19.7	R 00.2		S 0.33	
			6.C	F 19.7	R 00.2		S 0.23	
			8.C	F 19.7	R 00.2		S 0.18	
			9.C	F 19.6	R 00.1		S 0.34	
15/10/69	10.0	10.0	C.C	F 19.3	R 00.2		S 0.28	L 190
			2.C	F 19.5	R 00.2	B 5.9	S 0.15	
			4.C	F 19.6	R 00.2		S 0.21	
			6.C	F 19.6	R 00.2		S 0.31	
			8.C	F 19.5	R 00.2		S 0.18	
			9.C	F 19.5	R 00.2		S 0.24	
15/10/69	11.0	9.0	C.C	F 19.3	R 00.1		S 0.08	L 190
			2.C	F 19.5	R 00.1	B 6.2	S 0.03	
			4.C	F 19.6	R 00.1		S 0.04	
			6.C	F 19.6	R 00.1		S 0.09	
			8.C	H 19.6	R 00.1		S 0.04	
15/10/69	12.0	9.0	C.C	F 19.5	R 00.1		S 0.31	L 10
			2.C	F 19.7	R 00.1	B 6.4	S 0.43	
			4.C	F 19.7	R 00.1		S 0.36	
			6.C	F 19.7	R 00.1		S 0.34	
			8.C	H 19.6	R 00.1		S 0.36	
15/10/69	14.0	11.0	C.C	F 19.4	R 00.1		S 0.38	L 10
			2.C	F 19.7	R 00.1	B 6.2	S 0.35	
			4.C	F 19.7	R 00.1		S 0.38	
			6.C	F 19.7	R 00.1		S 0.38	
			8.C	H 19.8	R 00.1		S 0.48	
			10.C	F 19.8	R 00.1		S 0.48	

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STATION P(20.7)A (CONTINUED)

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 76DEGREES 57.3MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	15.0	11.C	C.C	H 20.1	R 00.1	B 6.4	S 0.39	L 10
			2.C	H 20.0	R 00.1		S 0.49	18
			4.C	H 19.9	R 00.1		S 0.44	18
			6.C	H 19.9	R 00.1		S 0.46	18
			8.C	H 19.9	R 00.1		S 0.46	18
			10.C	H 19.8	R 00.1		S 0.39	18
15/10/69	16.0	11.C	C.C	H 19.8	R 00.1	B 6.5	S 0.36	L 10
			2.C	H 19.8	R 00.1		S 0.38	18
			4.C	H 19.8	R 00.1		S 0.38	18
			6.C	H 19.9	R 00.1		S 0.38	18
			8.C	H 19.9	R 00.1		S 0.41	18
			10.C	H 19.9	R 00.1		S 0.36	18
15/10/69	17.0	11.C	C.C	H 19.3	R 00.1	B 6.7	S 0.49	L 10
			2.C	H 19.7	R 00.1		S 0.26	
			4.C	H 19.8	R 00.1		S 0.49	
			6.C	H 19.8	R 00.1		S 0.26	
			8.C	H 19.9	R 00.1		S 0.29	
			10.C	H 19.9	R 00.1		S 0.28	

STATION P(20.7)B

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	19.0	7.0	C.C	H 20.2	R 00.1		S 0.64	L 190
			2.C	H 20.5	R 00.1	B 5.7	S 0.56	
			4.C	H 20.5	R 00.1		S 0.53	
			6.C	H 20.5	R 00.1		S 0.47	
14/10/69	20.7	7.0	C.C	H 20.0	R 00.1		S 0.69	L 190
			2.C	H 20.4	R 00.1	B 7.5	S 0.62	
			4.C	H 20.4	R 00.1		S 0.50	
			6.C	H 20.5	R 00.1		S 0.50	
			7.C	H 20.5			S 0.40	
14/10/69	21.6	7.0	C.C	H 19.5	R 00.1		S 0.43	L 190
			2.C	H 20.2	R 00.1		S 0.44	
			4.C	H 20.4	R 00.1		S 0.43	
			6.C	H 20.4	R 00.1		S 0.35	
14/10/69	22.5	7.0	C.C	H 20.1	R 00.1		S 0.19	L 190
			2.C	H 20.2	R 00.1		S 0.11	
			4.C	H 20.3	R 00.1		S 0.35	
			6.C	H 20.4	R 00.1		S 0.28	
14/10/69	23.4	8.0	C.C	H 20.1	R 00.1		S 0.20	L 190
			2.C	H 20.2	R 00.1		S 0.13	
			4.C	H 20.2	R 00.1		S 0.18	
			6.C	H 20.3	R 00.1		S 0.15	
15/10/69	0.3	8.0	C.C	H 20.0	R 00.1		S 0.33	L 010
			2.C	H 20.1	R 00.1		S 0.33	
			4.C	H 20.2	R 00.1		S 0.38	
			6.C	H 20.2	R 00.1		S 0.26	
15/10/69	1.4	8.0	C.C	H 20.0	R 00.1		S 0.44	L 010
			2.C	H 20.0	R 00.1		S 0.46	
			4.C	H 20.2	R 00.1		S 0.36	
			6.C	H 20.2	R 00.1		S 0.34	
			7.C	H 20.2			S 0.33	
15/10/69	2.5	6.0	C.C	H 19.9	R 00.1		S 0.39	L 010
			2.C	H 20.1	R 00.1		S 0.38	
			4.C	H 20.2	R 00.1		S 0.26	
			6.C		R 00.1			

(CONTINUED)

STATION P(20.7)B (CONTINUED)

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	3.5	9.0	0.0	H 20.2	R 00.1		S 0.29	L 010
			2.0	H 20.2	R 00.1		S 0.34	
			4.0	H 20.3	R 00.1		S 0.36	
			6.0	H 20.3	R 00.1		S 0.31	
			8.0	H 20.3			S 0.29	
15/10/69	4.7	9.0	0.0	H 20.2	R 00.1		S 0.10	L 010
			2.0	H 20.2	R 00.1		S 0.21	
			4.0	H 20.2	R 00.1		S 0.15	
			6.0	H 20.2	R 00.1		S 0.05	
			8.0	H 20.1			S 0.18	
15/10/69	6.3	8.0	0.0	F 19.1	R 00.1		S 0.43	L 190
			2.0	H 19.5	R 00.1		S 0.28	
			4.0	F 19.7	R 00.1		S 0.28	
			6.0	H 19.8	R 00.1		S 0.23	
			7.0	H 19.9	R 00.1		S 0.25	
15/10/69	7.2	9.0	0.0	F 19.7	R 00.1		S 0.50	L 190
			2.0	F 19.9	R 00.1		S 0.45	
			4.0	H 19.8	R 00.1		S 0.45	
			6.0	F 19.8	R 00.1		S 0.43	
			8.0	H 19.7	R 00.1		S 0.28	
15/10/69	8.4	9.0	0.0	F 19.2	R 00.1		S 0.56	L 190
			2.0	F 19.5	R 00.1		S 0.53	
			4.0	F 19.5	R 00.1		S 0.43	
			6.0	F 19.5	R 00.1		S 0.30	
			8.0	F 19.5	R 00.1		S 0.43	
15/10/69	9.2	8.0	0.0	F 19.2	R 00.2		S 0.56	L 190
			2.0	F 19.4	R 00.2		S 0.38	
			4.0	F 19.4	R 00.2		S 0.41	
			6.0	F 19.5	R 00.2		S 0.23	
			7.0	H 19.5	R 00.2		S 0.24	
15/10/69	10.2	6.0	0.0	F 19.1	R 00.1		S 0.29	L 190
			2.0	F 19.5	R 00.1		S 0.21	
			4.0	F 19.5	R 00.1		S 0.14	
			5.0	F 19.6	R 00.1		S 0.20	
15/10/69	11.2	5.0	0.0	H 19.2	R 00.1		S 0.08	L 010
			2.0	F 19.5	R 00.1		S 0.03	
			4.0	F 19.7	R 00.1		S 0.24	

(CONTINUED)

STATION P(20.7)B (CONTINUED)

LATITUDE 37DEGREES 33.9MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	12.2	7.0	C.C	H 19.2	R 00.1		S 0.43	L 010
			2.C	H 19.5	R 00.1		S 0.33	
			4.C	H 19.6	R 00.1		S 0.39	
			6.C	H 19.7	R 00.1		S 0.36	
15/10/69	14.2	7.0	C.C	H 19.4	R 00.1		S 0.38	L 010
			2.C	H 19.6	R 00.1		S 0.38	
			4.C	H 19.7	R 00.1		S 0.35	
			6.C	H 19.7	R 00.1		S 0.31	
15/10/69	15.2	8.0	C.C	H 19.7	R 00.1		S 0.46	L 010
			2.C	H 19.8	R 00.1		S 0.48	
			4.C	H 19.8	R 00.1		S 0.44	
			6.C	H 19.8	R 00.1		S 0.34	
			7.C	H 19.8	R 00.1		S 0.29	
15/10/69	16.2	8.0	C.C	H 19.5			S 0.31	L 010
			2.C	H 19.7			S 0.36	
			4.C	H 19.7	R 00.1		S 0.32	
			6.C	H 19.8	R 00.1		S 0.24	
			7.C	H 19.8	R 00.1		S 0.14	
15/10/69	17.2	9.0	C.C	H 19.1	R 00.1		S 0.21	L 010
			2.C	H 19.5	R 00.1		S 0.19	
			4.C	H 19.7	R 00.1		S 0.15	
			6.C	H 19.7	R 00.1		S 0.14	
			8.C	H 19.8	R 00.1		S 0.09	

STATION P(18.5)A

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 58.0MINUTES WEST

TRANSECT OCCUPIED 14/10/69 2300 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	6.0	4.C	C.C 2.C	H 19.1 F 19.8	R 00.1 R 00.1	B 6.8	U 0.48 U 0.47	U 100 U 100
15/10/69	7.0	3.C	C.C 2.C	H 19.5 F 19.5	R 00.1 R 00.1	B 6.2	U 0.43 U 0.46	U 110 U 100
15/10/69	8.0	3.C	C.C 2.C	H 19.4 F 19.6	R 00.1 R 00.1	B 6.2	U 0.33 U 0.33	U 100 U 100
15/10/69	9.0	3.C	C.C 2.C	H 19.3 F 19.5	R 00.1 R 00.1	B 6.1	U 0.17 U 0.18	U 100 U 100
15/10/69	10.0	3.C	C.C 2.C	H 19.7 F 19.6	R 00.1 R 00.1	B 6.2	U 0.26 U 0.15	U 230 U 270
15/10/69	11.0	3.C	C.C 2.C	H 19.7 F 19.7	R 00.1 R 00.1	B 6.1	U 0.38 U 0.33	U 270 U 270
15/10/69	12.0	8.C	C.C 2.C 4.C 6.C	H 19.8 F 19.8 F 19.8 F 19.8	R 00.1 R 00.1 R 00.1 R 00.1	B 6.2	U 0.46 U 0.36 U 0.43 U 0.31	U 280 U 290 U 300 U 280
15/10/69	13.0	4.C	C.C 2.C	F 20.0 F 19.8	R 00.1 R 00.1	B 6.4	U 0.55 U 0.50	U 280 U 280
15/10/69	14.0	4.C	C.C 2.C	F 20.1 F 20.1	R 00.1 R 00.1	B 6.3	U 0.56 U 0.46	U 280 U 280
15/10/69	15.0	4.C	C.C 2.C	F 20.1 F 20.2	R 00.2 R 00.2	B 6.3	U 0.46 U 0.43	U 290 U 280
15/10/69	16.0	4.C	C.C 2.C	F 20.0 F 20.0	R 00.2 R 00.2	B 6.4	U 0.32 U 0.33	U 280 U 290
15/10/69	17.0	4.C	C.C 2.C	F 19.7 F 19.9	R 00.3 R 00.3	B 6.4	U 0.19 U 0.18	U 280 U 290

STATION P(18.5)B

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 58.0MINUTES WEST

TRANSECT OCCUPIED 14/10/69 2300 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	6.0	4.C	0.0	H 19.6	R 00.1	B 6.2	U 0.49	U 110
			2.0	H 20.1	R 00.1		U 0.50	U 100
15/10/69	7.0	8.C	0.0	H 19.5	R 00.1	B 6.1	U 0.56	U 110
			2.0	H 20.0	R 00.1		U 0.56	U 100
			4.0	H 20.0	R 00.1		U 0.50	U 100
			6.0	H 20.0	R 00.1		U 0.50	U 110
15/10/69	8.0	8.C	0.0	H 19.8	R 00.1	B 6.3	U 0.50	U 110
			2.0	H 19.7	R 00.1		U 0.50	U 090
			4.0	H 19.7	R 00.1		U 0.46	U 110
			6.0	H 19.7	R 00.1		U 0.46	U 100
15/10/69	9.0	8.C	0.0	H 19.6	R 00.1	B 6.2	U 0.33	U 110
			2.0	H 19.7	R 00.1		U 0.36	U 100
			4.0	H 19.7	R 00.1		U 0.36	U 100
			6.0	H 19.7	R 00.1		U 0.31	U 120
15/10/69	10.0	8.C	0.0	H 19.8	R 00.1	B 5.5	U 0.21	U 130
			2.0	H 19.7	R 00.1		U 0.21	U 120
			4.0	H 19.7	R 00.1		U 0.06	U 140
			6.0	H 19.7	R 00.1		U 0.14	U 180
15/10/69	11.0	8.C	0.0	H 19.8	R 00.1	B 6.5	U 0.22	U 290
			2.0	H 19.8	R 00.1		U 0.32	U 290
			4.0	H 19.8	R 00.1		U 0.31	U 280
			6.0	H 19.8	R 00.1		U 0.23	U 280
15/10/69	12.0	4.C	0.0	H 19.8	R 00.1	B 6.5	U 0.56	U 290
			2.0	H 19.7	R 00.1		U 0.50	U 290
15/10/69	13.0	8.C	0.0	H 20.0	R 00.1	B 6.5	U 0.50	U 290
			2.0	H 20.0	R 00.1		U 0.50	U 300
			4.0	H 20.0	R 00.1		U 0.41	U 290
			6.0	H 20.0	R 00.1		U 0.36	U 300
15/10/69	14.0	8.C	0.0	H 20.2	R 00.1	B 7.1	U 0.48	U 290
			2.0	H 20.1	R 00.1		U 0.41	U 290
			4.0	H 20.1	R 00.1		U 0.21	U 290
			6.0	H 20.1	R 00.1		U 0.47	U 290
15/10/69	15.0	8.C	0.0	H 20.1	R 00.2	B 5.0	U 0.37	U 300
			2.0	H 20.1	R 00.2		U 0.37	U 310
			4.0	H 20.1	R 00.2		U 0.34	U 290
			6.0	H 20.1	R 00.2		U 0.29	U 300

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STATION P(18.5)B (CONTINUED)

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 58.0MINUTES WEST

TRANSECT OCCUPIED 14/10/69 2300 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	16.0	8.0	0.0	F 20.0	R 00.2	B 6.4	U 0.23	U 280
			2.0	F 20.0	R 00.2		U 0.21	U 290
			4.0	F 20.0	R 00.2		U 0.20	U 300
			6.0	F 20.0	R 00.3		U 0.16	U 290
15/10/69	17.0	8.0	0.0	F 18.9	R 00.3	B 6.3	U 0.06	U 280
			2.0	F 20.4	R 00.3		U 0.10	U 310
			4.0	F 19.9	R 00.3		U 0.07	U 300
			6.0	F 19.9	R 00.3		U 0.05	U 310

STATION P(18.5)C

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 58.0MINUTES WEST

TRANSECT OCCUPIED 14/10/69 2300 HRS TO 15/10/69 1700HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	23.0	3.0	C.C	F 19.8	R 00.1	B 6.0	U 0.10	U 280
			2.C	F 20.3	R 00.1		U 0.11	U 280
15/10/69	0.0	3.0	C.C	F 19.6	R 00.1		U 0.33	U 290
			2.C	F 20.4	R 00.1	B 5.9	U 0.69	U 280
15/10/69	1.0	3.0	C.C	F 20.0	R 00.1	B 6.0	U 0.05	U 290
			2.C	F 20.5	R 00.1		U 0.05	U 280
15/10/69	2.0	3.0	C.C	F 19.7	R 00.1	B 0.0	U 0.45	U 280
			2.C	F 20.0	R 00.1		U 0.43	U 290
15/10/69	3.0	3.0	C.C	F 19.6	R 00.1		U 0.24	U 270
			2.C	F 20.2	R 00.1	B 6.0	U 0.23	U 280
15/10/69	4.0	3.0	C.C	F 19.6	R 00.1		U 0.25	U 250
			2.C	F 20.0	R 00.1	B 6.0	U 0.20	U 280

STATION P(16.4)A

LATITUDE 37DEGREES 33.2MINUTES NORTH, LONGITUDE 76DEGREES 56.7MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1800HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	19.4	7.0	0.0	H 20.5			Y 0.60	Y 030
			2.0	F 20.6			Y 0.60	Y 030
			4.0	H 20.6			Y 0.60	Y 020
			6.0	H 20.6			Y 0.40	Y 020
14/10/69	20.0	7.0	0.0	H 20.5		B 6.4	Y 0.59	Y 030
			2.0	H 20.6	R 00.1	B 6.2	Y 0.21	Y 020
			4.0	H 20.6	R 00.1	B 6.1	Y 0.58	Y 020
			6.0	H 20.7	R 00.2	B 6.9	Y 0.38	Y 010
14/10/69	21.0	7.0	0.0	H 20.3	R 00.1	B 6.3	Y 0.06	Y 030
			2.0	H 20.6	R 00.1	B 6.5	Y 0.06	Y 020
			4.0	H 20.6	R 00.1	B 5.9	Y 0.05	Y 020
			6.0	H 20.6	R 00.1	B 6.6	Y 0.05	Y 010
14/10/69	22.0	7.0	0.0	H 20.2	R 00.1	B 6.5	Y 0.33	Y 010
			2.0	H 20.4	R 00.1	B 6.4	Y 0.33	Y 020
			4.0	H 20.5	R 00.1	B 6.2	Y 0.33	Y 030
			6.0	H 20.5	R 00.1	B 6.2	Y 0.00	
14/10/69	23.0	7.0	0.0	F 20.4	R 00.1	B 6.4	Y 0.18	Y 190
			2.0	F 20.5	R 00.1	B 6.3	Y 0.18	Y 220
			4.0	H 20.5	R 00.1	B 5.9	Y 0.38	Y 180
			6.0	F 20.5	R 00.1	B 6.3	Y 0.04	Y 220
15/10/69	0.0	7.0	0.0	H 20.3	R 00.1	B 6.4	Y 0.86	Y 220
			2.0	F 20.4	R 00.1	B 5.8	Y 0.37	Y 220
			4.0	F 20.4	R 00.1	B 6.3	Y 0.37	Y 220
			6.0	F 20.4	R 00.1	B 6.1	Y 0.35	Y 200
15/10/69	1.0	7.0	0.0	H 20.3	R 00.1	B 5.9	Y 0.47	Y 200
			2.0	H 20.4	R 00.1	B 6.2	Y 0.50	Y 220
			4.0	F 20.5	R 00.1	B 5.7	Y 0.04	Y 220
			6.0	F 20.5	R 00.1	B 5.8	Y 0.06	Y 220
15/10/69	2.0	7.0	0.0	F 20.0	R 00.2	B 4.3	Y 0.50	Y 200
			2.0	F 20.3	R 00.2	B 6.1	Y 0.50	Y 220
			4.0	F 20.4	R 00.2	B 5.8	Y 0.46	Y 220
			6.0	F 20.4	R 00.2	B 6.2	Y 0.78	Y 210
15/10/69	3.0	7.0	0.0	F 19.7	R 00.3	B 7.1	Y 0.43	Y 210
			2.0	F 20.2	R 00.3	B 6.2	Y 0.38	Y 220
			4.0	F 20.3	R 00.3	B 5.8	Y 0.35	Y 200
			6.0	H 20.4	R 00.3	B 6.1	Y 0.31	Y 220

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STATION P(16.4)A (CONTINUED)

LATITUDE 37DEGREES 33.2MINUTES NORTH, LONGITUDE 76DEGREES 56.7MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	4.0	7.0	0.0	F 19.1	R 00.3	B 8.5	Y 0.15	Y 200
			2.0	F 20.2	R 00.3	B 5.5	Y 0.16	Y 230
			4.0	F 20.3	R 00.3	B 6.2	Y 0.15	Y 220
			6.0	F 20.3	R 00.3	B 6.5	Y 0.11	Y 220
15/10/69	5.0	7.0	0.0	F 18.5	R 00.3	B 6.2	Y 0.09	Y 010
			2.0	F 20.2	R 00.3	B 6.1	Y 0.18	Y 040
			4.0	F 20.4	R 00.3	B 6.1	Y 0.20	Y 040
			6.0	F 20.3	R 00.3		Y 0.14	
15/10/69	6.0	7.0	0.0	F 18.6	R 00.3	B 6.5		Y 040
			2.0	F 20.0	R 00.3	B 6.2		Y 020
			4.0	F 20.1	R 00.3	B 6.1		Y 010
			6.0	F 20.2	R 00.3	B 7.2		Y 010
15/10/69	7.0	7.0	0.0	F 20.0	R 00.2			Y 020
			2.0	F 20.0				Y 010
			4.0	F 20.0				Y 010
			6.0	F 20.0				Y 010
15/10/69	9.0	7.0	0.0	F 19.0	R 00.1		Y 0.49	Y 020
			2.0	F 19.0	R 00.1	B 6.4	Y 0.42	Y 030
			4.0	F 19.0	R 00.1		Y 0.42	Y 060
			6.0	F 19.0	R 00.1		Y 0.38	Y 080
15/10/69	10.0	7.0	0.0	F 19.9	R 00.1		Y 0.08	Y 360
			2.0	F 19.9	R 00.1	B 6.5	Y 0.05	Y 140
			4.0	F 19.9	R 00.1		Y 0.08	Y 350
			6.0	F 19.9	R 00.1		Y 0.05	Y 150
15/10/69	11.0	8.0	0.0	F 19.8	R 00.1		Y 0.30	Y 230
			2.0	F 19.9	R 00.1	B 5.8	Y 0.20	Y 210
			4.0	F 19.9	R 00.1		Y 0.30	Y 190
			6.0	F 19.9	R 00.1		Y 0.15	Y 200
			7.0	F 19.9	R 00.1		Y 0.15	Y 210
15/10/69	12.0	8.0	0.0	F 19.9	R 00.1		Y 0.50	Y 190
			2.0	F 19.9	R 00.1	B 6.6	Y 0.50	Y 210
			4.0	F 19.9	R 00.1		Y 0.40	Y 210
			6.0	F 19.9	R 00.1		Y 0.40	Y 200
			7.0	F 19.9	R 00.1		Y 0.40	Y 200

(CONTINUED)

STATION P(16.4)A (CONTINUED)

LATITUDE 37DEGREES 33.2MINUTES NORTH, LONGITUDE 76DEGREES 56.7MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	13.0	8.C	C.C	H 20.1	R 00.2		Y 0.60	Y 210
			2.C	H 20.1	R 00.2	B 7.5	Y 0.40	Y 220
			4.C	H 20.1	R 00.2		Y 0.43	Y 220
			6.C	H 20.1	R 00.2		Y 0.43	Y 210
			7.C	H 20.1	R 00.2		Y 0.48	Y 200
15/10/69	14.0	8.C	C.C	H 19.8	R 00.2		Y 0.53	Y 220
			2.C	H 20.0	R 00.2	B 7.9	Y 0.53	Y 220
			4.C	H 20.0	R 00.2		Y 0.50	Y 220
			6.C	H 20.0	R 00.3		Y 0.50	Y 210
			7.C	H 20.0	R 00.3		Y 0.38	Y 200
15/10/69	15.0	8.C	C.C	H 20.0	R 00.3		Y 0.50	Y 210
			2.C	H 20.1	R 00.3	B 6.4	Y 0.50	Y 200
			4.C	H 20.1	R 00.3		Y 0.46	Y 200
			6.C	H 20.1	R 00.4		Y 0.42	Y 210
			7.C	H 20.0	R 00.3		Y 0.39	Y 210
15/10/69	16.0	8.C	C.C	H 19.8	R 00.5		Y 0.41	Y 220
			2.C	H 20.0	R 00.5	B 6.3	Y 0.44	Y 210
			4.C	H 20.0	R 00.5		Y 0.40	Y 200
			6.C	H 20.0	R 00.5		Y 0.38	Y 200
			7.C	H 20.0	R 00.5		Y 0.35	Y 210
15/10/69	17.0	8.C	C.C	H 19.8	R 00.5		Y 0.11	Y 180
			2.C	H 19.9	R 00.5	B 6.6	Y 0.11	Y 200
			4.C	H 19.9	R 00.5		Y 0.16	Y 210
			6.C	H 19.9	R 00.5		Y 0.14	Y 220
			7.C	H 19.9	R 00.5		Y 0.13	Y 230
15/10/69	18.0	8.C	C.C					
			2.C			B 4.4		
			4.C					
			6.C					
			7.C					

STATION P(16.4)B

LATITUDE 37DEGREES 33.2MINUTES NORTH, LONGITUDE 76DEGREES 56.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
14/10/69	20.5	5.0	C.C	F 20.6	R 00.1		Y 0.64	Y 200
			2.C	H 20.6	R 00.1		Y 0.63	Y 360
			4.C	F 20.6	R 00.1		Y 0.63	Y 360
14/10/69	21.3	3.0	C.C	F 20.5	R 00.1		Y 0.63	Y 050
			2.C	F 20.5	R 00.1		Y 0.60	Y 050
			3.C	F 20.6	R 00.1		Y 0.43	Y 050
14/10/69	22.3	4.0	C.C	F 20.2	R 00.1		Y 0.38	Y 200
			2.C	F 20.4	R 00.1		Y 0.38	Y 200
			4.C	F 20.5	R 00.1		Y 0.38	Y 360
14/10/69	23.3	5.0	C.C	F 20.2	R 00.1		Y 0.40	Y 180
			2.C	F 20.4	R 00.1		Y 0.18	Y 220
			4.C	F 20.4	R 00.1		Y 0.16	Y 220
15/10/69	0.3	5.0	C.C	F 20.2	R 00.1		Y 0.46	Y 180
			2.C	F 20.4	R 00.1		Y 0.47	Y 220
			4.C	F 20.5	R 00.1		Y 0.36	Y 180
15/10/69	1.2	4.0	C.C	F 20.1	R 00.2		Y 0.50	Y 200
			2.C	F 20.3	R 00.2		Y 0.50	Y 210
			4.C	F 20.4	R 00.1		Y 0.33	Y 200
15/10/69	2.2	5.0	C.C	F 19.9	R 00.2		Y 0.50	Y 200
			2.C	F 20.3	R 00.2		Y 0.42	Y 180
			4.C	F 20.4	R 00.2		Y 0.21	Y 200
15/10/69	3.5	5.0	C.C	F 18.9	R 00.3		Y 0.31	Y 210
			2.C	F 20.3	R 00.3		Y 0.31	Y 190
			4.C	F 20.3	R 00.3		Y 0.25	Y 180
15/10/69	4.3	5.0	C.C	F 18.4	R 00.3		Y 0.16	Y 230
			2.C	F 19.9	R 00.3		Y 0.14	Y 120
			4.C	F 20.3	R 00.3		Y 0.01	Y 190
15/10/69	5.4	5.0	C.C	F 18.4	R 00.3		Y 0.19	Y 360
			2.C	F 19.8	R 00.3		Y 0.20	Y 360
			4.C	F 20.2	R 00.3		Y 0.24	Y 350
15/10/69	6.4	5.0	C.C	F 19.0	R 00.2		Y 0.49	Y 020
			2.C	F 19.0	R 00.2		Y 0.55	Y 010
			4.C	F 19.0			Y 0.23	Y 010

(CONTINUED)

STATION P(16.4)B (CONTINUED)

LATITUDE 37DEGREES 33.2MINUTES NORTH, LONGITUDE 76DEGREES 56.6MINUTES WEST

TRANSECT OCCUPIED 14/10/69 1900 HRS TO 15/10/69 1800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
15/10/69	9.2	4.0	C.C	H 18.9	R 00.9		Y 0.43	Y 030
			2.C	H 20.0	R 00.9		Y 0.28	Y 030
			4.C	H 20.0	R 00.9		Y 0.43	Y 030
15/10/69	10.2	4.0	C.C	H 19.8	R 00.1		Y 0.13	Y 130
			2.C	H 19.9	R 00.1		Y 0.18	Y 150
			4.C		R 00.1		Y 0.08	Y 140
15/10/69	11.2	5.0	C.C	H 20.0	R 00.1		Y 0.30	Y 200
			2.C	H 20.0	R 00.1		Y 0.25	Y 200
			4.C	H 19.9	R 00.1		Y 0.15	Y 230
15/10/69	12.2	5.0	C.C	H 19.8			Y 0.55	Y 200
			2.C	H 20.0			Y 0.50	Y 200
			4.C	H 20.0			Y 0.35	Y 200
15/10/69	13.2	5.0	C.C	H 19.9	R 00.2		Y 0.53	Y 200
			2.C	H 20.0	R 00.2		Y 0.50	Y 200
			4.C	H 20.0	R 00.2		Y 0.20	Y 200
15/10/69	14.2	5.0	C.C	H 19.9	R 00.3		Y 0.58	Y 180
			2.C	H 20.0	R 00.3		Y 0.53	Y 190
			4.C	H 20.0	R 00.3		Y 0.48	Y 200
15/10/69	15.2	5.0	C.C	H 19.9	R 00.4		Y 0.53	Y 190
			2.C	H 20.0	R 00.6		Y 0.47	Y 190
			4.C	H 20.0	R 00.6		Y 0.36	Y 190
15/10/69	16.2	5.0	C.C	H 19.8	R 00.5		Y 0.38	Y 190
			2.C	H 20.0	R 00.5		Y 0.32	Y 200
			4.C	H 19.9	R 00.5		Y 0.24	Y 180
15/10/69	17.2	5.0	C.C	H 19.7	R 00.5		Y 0.04	Y 150
			2.C	H 19.8	R 00.5		Y 0.04	Y 210
			4.C	H 19.9	R 00.5		Y 0.05	Y 210

STATION P(13.6)A

LATITUDE 37DEGREES 33.5MINUTES NORTH, LONGITUDE 76DEGREES 54.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	12.5	6.0	C.C	F 19.8			U 0.56	U 200
			2.C	F 19.4	R 00.3	B 6.3	U 0.39	U 130
			4.C	F 19.3	R 00.3		U 0.28	U 180
16/10/69	13.5	6.0	C.C	F 19.4			U 0.56	U 180
			2.C	F 19.4	R 00.4	B 6.2	U 0.48	U 180
			4.C	F 19.8	R 00.4		U 0.38	U 130
16/10/69	14.5	6.0	C.C	F 19.4			U 0.15	U 130
			2.C	F 19.3	R 00.8	B 6.2	U 0.60	U 130
			4.C	F 19.3	R 00.8		U 0.30	U 170
16/10/69	15.5	6.0	C.C	F 19.4			U 0.15	U 180
			2.C	F 19.3	R 01.0	B 6.3	U 0.50	U 080
			4.C	F 19.3	R 01.0		U 0.30	U 130
16/10/69	16.5	6.0	C.C	F 19.3			U 0.18	U 180
			2.C	F 19.3	R 01.3	B 6.4	U 0.18	U 080
			4.C	F 19.4	R 01.3		U 0.18	U 130
16/10/69	17.5	6.0	C.C	F 18.9	R 01.4		U 0.06	U 320
			2.C	F 19.2	R 01.4	B 6.5	U 0.11	U 010
			4.C	F 19.3	R 01.6		U 0.17	U 030
16/10/69	18.5	6.0	C.C	F 19.3	R 00.9		U 0.02	U 190
			2.C	F 19.3	R 01.4	B 6.8	U 0.27	U 190
			4.C	F 19.4	R 01.4		U 0.25	U 190
16/10/69	19.5	6.0	C.C	F 19.3	R 01.3		U 0.49	U 180
			2.C	F 19.4	R 01.4	B 6.6	U 0.49	U 190
			4.C	F 19.4	R 01.4		U 0.41	U 190
16/10/69	20.5	5.0	C.C	F 19.3	R 00.9		U 0.55	U 180
			2.C	F 19.3	R 01.0	B 6.5	U 0.55	U 190
			4.C	F 19.3	R 01.0		U 0.55	U 200
16/10/69	21.5	6.0	C.C	F 19.3	R 00.6		U 0.58	U 180
			2.C	F 19.3	R 00.6	B 6.2	U 0.58	U 190
			4.C	F 19.3	R 00.6		U 0.44	U 200
16/10/69	22.5	6.0	C.C	F 19.3	R 00.4		U 0.44	U 180
			2.C	F 19.3	R 00.4	B 6.3	U 0.50	U 190
			4.C	F 19.3	R 00.4		U 0.44	U 200

(CONTINUED)

STATION P(13.6)A (CONTINUED)

LATITUDE 37DEGREES 33.5MINUTES NORTH, LONGITUDE 76DEGREES 54.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	23.5	6.0	C.0	F 19.4	R 00.3		U 0.44	U 180
			2.0	F 19.0	R 00.3	B 6.5	U 0.32	U 180
			4.0	F 19.4	R 00.3		U 0.32	U 200
17/10/69	0.5	6.0	C.0	F 19.4	R 00.3		U 0.10	U 170
			2.0	F 19.4	R 00.3	B 6.4	U 0.14	U 190
			4.0	F 19.4	R 00.3		U 0.11	U 210
17/10/69	1.5	6.0	C.0	F 19.4	R 00.3			U 020
			2.0	F 19.4	R 00.3	B 6.4		U 020
			4.0	F 19.3	R 00.3			U 010
17/10/69	2.5	6.0	C.0	F 19.2	R 00.3		U 0.45	U 010
			2.0	F 19.3	R 00.3	B 6.4	U 0.15	U 010
			4.0	F 19.3	R 00.3		U 0.25	U 010
17/10/69	3.5	6.0	C.0	F 19.1	R 00.5		U 0.50	U 010
			2.0	F 19.1		B 6.4	U 0.18	U 010
			4.0	F 19.1	R 00.5		U 0.33	U 010
17/10/69	4.5	6.0	C.0	F 19.0	R 00.7		U 0.20	U 020
			2.0	F 19.1	R 00.7	B 6.3	U 0.35	U 010
			4.0	F 19.1	R 00.7		U 0.25	U 020
17/10/69	5.5	6.0	C.0	F 19.0	R 00.9		U 0.18	U 030
			2.0	F 19.0	R 00.9	B 6.3	U 0.15	U 030
			4.0	F 19.0	R 00.9		U 0.11	U 020
17/10/69	6.5	6.0	C.0	F 18.5	R 00.6		U 0.20	U 020
			2.0	F 18.9	R 00.8	B 6.3	U 0.14	U 020
			4.0	F 18.9	R 00.9		U 0.04	U 020
17/10/69	7.5	6.0	C.0	F 18.8	R 00.7		U 0.44	U 020
			2.0	F 18.9	R 00.7	B 6.3	U 0.45	U 020
			4.0	F 19.0	R 00.8		U 0.37	U 020
17/10/69	8.5	5.0	C.0	F 19.1	R 00.5		U 0.58	U 020
			2.0	F 19.1	R 00.5	B 6.2	U 0.58	U 020
			4.0	F 19.1	R 00.5		U 0.48	U 020
17/10/69	9.5	6.0	C.0	F 19.1	R 00.3		U 0.56	U 020
			2.0	F 19.2	R 00.3	B 6.4	U 0.50	U 020
			4.0	F 19.2	R 00.3		U 0.56	U 020

(CONTINUED)

STATION P(13.6)A (CONTINUED)

LATITUDE 37DEGREES 33.5MINUTES NORTH, LONGITUDE 76DEGREES 54.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	10.5	5.C	0.C	H 19.2	R 00.3		U 0.49	U 020
			2.C	H 19.2	R 00.3	B 6.5	U 0.47	U 020
			4.C	H 19.2	R 00.3		U 0.29	U 020

STATION P(13.6)B

LATITUDE 37DEGREES 33.5MINUTES NORTH, LONGITUDE 76DEGREES 54.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	12.5	6.0	C.C	H 19.6			U 0.56	U 020
			2.C	H 19.4	R 00.3	B 6.4	U 0.48	U 010
			4.C	H 19.3	R 00.3		U 0.38	U 010
16/10/69	13.5	6.0	C.C	H 19.2			U 0.69	U 010
			2.C	H 19.4	R 00.0	B 6.2	U 0.56	U 010
			4.C	H 19.4	R 00.4		U 0.46	U 010
16/10/69	14.5	6.0	C.C	H 19.4			U 0.44	U 010
			2.C	H 19.3	R 00.7	B 6.3	U 0.56	U 010
			4.C	H 19.3	R 00.7		U 0.48	U 010
16/10/69	15.5	6.0	C.C	H 19.3			U 0.20	U 010
			2.C	H 19.4	R 01.1	B 6.4	U 0.55	U 010
			4.C	H 19.4	R 01.0		U 0.35	U 010
16/10/69	16.5	6.0	C.C	H 19.4			U 0.25	U 010
			2.C	H 19.4	R 01.3	B 6.4	U 0.25	U 010
			4.C	H 19.4	R 01.3		U 0.15	U 010
16/10/69	17.5	6.0	C.C	H 19.4	R 01.6		U 0.11	U 020
			2.C	H 19.4	R 01.7	B 6.9	U 0.01	U 010
			4.C	H 19.5	R 01.7		U 0.01	U 010
16/10/69	18.5	6.0	C.C	H 18.6	R 01.4		U 0.00	U 180
			2.C	H 19.2	R 01.5	B 6.5	U 0.00	U 200
			4.C	H 19.4	R 01.5		U 0.01	U 200
16/10/69	19.5	6.0	C.C	H 19.1	R 01.2		U 0.58	U 180
			2.C	H 19.3	R 01.2	B 6.5	U 0.41	U 180
			4.C	H 19.3	R 01.1		U 0.44	U 180
16/10/69	21.5	6.0	C.C	H 19.4	R 00.6		U 0.44	U 180
			2.C	H 19.4	R 00.6	B 6.4	U 0.58	U 180
			4.C	H 19.3	R 00.5		U 0.44	U 200
16/10/69	22.5	6.0	C.C	H 19.3	R 00.4		U 0.44	U 180
			2.C	H 19.4	R 00.5	B 6.3	U 0.55	U 190
			4.C	H 19.4	R 00.4		U 0.44	U 200
16/10/69	23.5	6.0	C.C	H 19.3	R 00.3		U 0.44	U 180
			2.C	H 19.4	R 00.4	B 6.2	U 0.31	U 190
			4.C	H 19.4	R 00.4		U 0.31	U 190

(CONTINUED)

STATION P(13.6)B (CONTINUED)

LATITUDE 37DEGREES 33.5MINUTES NORTH, LONGITUDE 76DEGREES 54.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	6.5	6.C	C.C	H 18.9	R 00.9	B 6.3	U 0.20	U 170
			2.C	H 18.9	R 00.9		U 0.18	U 170
			4.C	H 19.0	R 00.9		U 0.15	U 180
			6.C	H 19.0	R 00.9		U 0.14	U 190
17/10/69	7.5	6.C	C.C	F 18.9	R 00.7		U 0.46	U 180
			2.C	F 19.0	R 00.7		U 0.53	U 190
			4.C	H 19.0	R 00.7		U 0.50	U 200
			6.C	F 19.0	R 00.7		U 0.37	U 200
17/10/69	8.5	6.C	C.C	H 19.1	R 00.5	B 6.2	U 0.55	U 180
			2.C	F 19.1	R 00.5		U 0.45	U 180
			4.C	F 19.1	R 00.5		U 0.45	U 190
17/10/69	9.5	6.C	C.C	F 19.2	R 00.3	B 6.6	U 0.55	U 180
			2.C	F 19.1	R 00.3		U 0.55	U 190
			4.C	F 19.2	R 00.3		U 0.40	U 200
17/10/69	10.5	5.C	C.C	F 19.1	R 00.3	B 6.3	U 0.48	U 180
			2.C	F 19.2	R 00.3		U 0.49	U 180
			4.C	F 19.2	R 00.3		U 0.42	U 200

STATION P(12.1)A

LATITUDE 37DEGREES 32.9MINUTES NORTH, LONGITUDE 76DEGREES 53.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.6	7.0	C.C	J 19.2	R 00.8	B 6.5	C 0.40	C 070
			2.C	J 19.2	R 00.8		C 0.68	C 070
			4.C	J 19.2	R 00.9		C 0.53	C 070
			6.C		R 00.8		C 0.50	C 080
16/10/69	9.5	7.0	C.C	J 19.1	R 00.7	B 6.4	C 0.63	C 080
			2.C	J 19.2	R 00.6		C 0.60	C 080
			4.C	J 19.2	R 00.6		C 0.50	C 080
			6.C	J 19.2	R 00.6		C 0.40	C 080
16/10/69	11.5	6.0	C.C	J 19.4	R 00.4	B 6.2	C 0.08	C 280
			2.C	J 19.3	R 00.4		C 0.08	C 230
			4.C	J 19.2	R 00.4		C 0.12	C 250
			6.C	J 19.1	R 00.5		C 0.10	C 250
16/10/69	12.5	6.0	C.C	J 19.7	R 00.5	B 6.4	C 0.49	C 270
			2.C	J 19.4	R 00.5		C 0.60	C 270
			4.C	J 19.3	R 00.5		C 0.55	C 260
			6.C	J 19.2	R 00.5		C 0.33	C 260
16/10/69	13.5	6.0	C.C	J 19.2	R 00.9	B 6.4	C 0.70	C 270
			2.C	J 19.2	R 00.9		C 0.70	C 260
			4.C	J 19.2	R 00.9		C 0.60	C 260
			6.C	J 19.2	R 00.9		C 0.48	C 250
16/10/69	14.5	7.0	C.C	J 19.4	R 01.1	B 6.3	C 0.73	C 260
			2.C	J 19.4	R 01.2		C 0.80	C 260
			4.C	J 19.4	R 01.1		C 0.70	C 250
			6.C	J 19.4	R 01.1		C 0.45	C 240
16/10/69	15.5	7.0	C.C	J 19.4	R 01.6	B 6.3	C 0.60	C 260
			2.C	J 19.4	R 01.6		C 0.65	C 260
			4.C	J 19.4	R 01.6		C 0.65	C 260
			6.C	J 19.4	R 01.5		C 0.43	C 260
16/10/69	16.5	7.0	C.C	J 19.6	R 02.0	B 6.4	C 0.47	C 260
			2.C	J 19.6	R 02.0		C 0.47	C 240
			4.C	J 19.6	R 02.1		C 0.47	C 250
			6.C	J 19.6	R 02.1		C 0.32	C 260
16/10/69	17.5	6.0	C.C	J 19.7	R 02.2	B 7.0	C 0.21	C 260
			2.C	J 19.7	R 02.3		C 0.19	C 240
			4.C	J 19.7	R 02.4		C 0.14	C 250
			6.C	J 19.7	R 02.4		C 0.07	C 250

(CONTINUED)

78.

STATION P(12.1)A (CONTINUED)

LATITUDE 37DEGREES 32.9MINUTES NORTH, LONGITUDE 76DEGREES 53.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	18.5	6.C	C.C	J 19.6	R 01.7		C 0.24	C 090
			2.C	J 19.6	R 02.3	B 7.3	C 0.10	C 080
			4.C	J 19.7	R 02.5		C 0.10	C 070
			6.C	J 19.7	R 02.6		C 0.09	C 070
16/10/69	19.5	6.C	C.C	J 19.4	R 01.9		C 0.55	C 080
			2.C	J 19.6	R 02.0	B 6.8	C 0.51	C 080
			4.C	J 19.7	R 02.2		C 0.34	C 080
			6.C	J 19.7	R 02.4		C 0.21	C 080
16/10/69	20.6	6.C	C.C	J 19.2			C 0.34	C 080
			2.C	J 19.3			C 0.21	C 070
			4.C	J 19.4			C 0.05	C 100
			5.2	J 19.5			C 0.36	C 090
16/10/69	21.7	6.C	C.C	J 19.2	R 00.9		C 0.40	C 080
			2.C	J 19.3	R 00.9	B 6.9	C 0.70	C 080
			4.C	J 19.3	R 00.9		C 0.54	C 080
			5.2	J 19.3			C 0.35	C 080
			6.C		R 00.9			
16/10/69	23.0	6.C	C.C	J 19.2	R 00.7		C 0.55	C 080
			2.C	J 19.2	R 00.7	B 6.9	C 0.51	C 080
			4.C	J 19.2	R 00.7		C 0.37	C 080
			5.C		R 00.6			
17/10/69	0.0	5.C	C.C	J 19.2	R 00.6		C 0.38	C 090
			2.C	J 19.2	R 00.6	B 6.8	C 0.31	C 080
			4.C	J 19.3	R 00.6		C 0.20	C 080
17/10/69	1.0	5.C	C.C	J 18.9	R 00.5		C 0.10	C 070
			2.C	J 19.2	R 00.5	B 6.8	C 0.02	C 060
			4.C	J 19.2	R 00.5		C 0.01	C 360
			4.8	J 19.3			C 0.03	C 250
17/10/69	2.0	5.C	C.C	J 18.8	R 00.6		C 0.25	C 280
			2.C	J 19.1	R 00.6	B 6.8	C 0.28	C 270
			4.C	J 19.1	R 00.6		C 0.22	C 260
			4.7	J 19.2			C 0.16	C 260
17/10/69	3.0	5.C	C.C	J 19.0	R 00.7		C 0.51	C 270
			2.C	J 19.1	R 00.8	B 6.9	C 0.51	C 270
			4.C	J 19.1	R 00.8		C 0.40	C 260
			4.7	J 19.1			C 0.36	C 260

(CONTINUED)

79.

STATION P(12.1)A (CONTINUED)

LATITUDE 37DEGREES 32.9MINUTES NORTH, LONGITUDE 76DEGREES 53.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	4.0	5.0	C.C	J 18.9	R 01.0		C 0.52	C 280
			2.C	J 19.1	R 01.1	B 7.0	C 0.55	C 270
			4.C	J 19.1	R 01.0		C 0.39	C 260
			4.6	J 19.1			C 0.35	C 260
17/10/69	5.0	5.0	C.C	J 19.0	R 01.2		C 0.37	C 270
			2.C	J 19.1	R 01.2	B 6.7	C 0.34	C 270
			4.C	J 19.1	R 01.2		C 0.27	C 260
			4.6	J 19.1			C 0.24	C 260
17/10/69	6.0	6.0	C.C	J 19.1	R 01.3		C 0.07	C 030
			2.C	J 19.1	R 01.4	B 6.5	C 0.55	C 030
			4.C	J 19.1	R 01.4		C 0.03	C 050
			6.C	J 19.1	R 01.4		C 0.02	C 010
17/10/69	7.0	7.0	C.C	J 18.5	R 01.1		C 0.33	C 040
			2.C	J 18.5	R 01.1	B 6.4	C 0.37	C 080
			4.C	J 18.5	R 01.2		C 0.31	C 080
			6.C	J 18.6	R 01.3		C 0.23	C 080
17/10/69	8.0	6.0	C.C	J 18.4	R 01.1		C 0.55	C 090
			2.C	J 18.5	R 01.1	B 6.9	C 0.55	C 080
			4.C	J 18.5	R 01.1		C 0.55	C 080
			6.C	J 18.6	R 01.1		C 0.90	C 080
17/10/69	9.0	5.0	C.C	J 18.7	R 00.8		C 0.60	C 080
			2.C	J 18.8	R 00.8	B 6.3	C 0.70	C 080
			4.C	J 18.9	R 00.8		C 0.70	C 080
			6.C	J 19.0	R 00.8		C 0.60	C 080
17/10/69	10.0	6.0	C.C	J 18.8			C 0.70	C 080
			2.C	J 19.0		B 6.3	C 0.70	C 080
			4.C	J 19.0			C 0.60	C 090
			6.C	J 19.0			C 0.36	C 080

STATION P(12.1)B

LATITUDE 37DEGREES 32.8MINUTES NORTH, LONGITUDE 76DEGREES 53.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.9	8.C	C.C	J 19.2	R 00.7		C 0.73	C 080
			2.C	J 19.2	R 00.7		C 0.65	C 080
			4.C	J 19.2	R 00.7		C 0.60	C 080
			6.C	J 19.2	R 00.7		C 0.55	C 090
			8.C	J 19.2	R 00.7		C 0.48	C 080
16/10/69	9.7	7.C	C.C	J 19.2	R 00.5		C 0.60	C 080
			2.C	J 19.2	R 00.5		C 0.52	C 080
			4.C	J 19.3	R 00.5		C 0.50	C 090
			6.C	J 19.3	R 00.5		C 0.44	C 090
16/10/69	11.7	9.C	C.C	J 19.6	R 00.4		C 0.24	C 260
			2.C	J 19.4	R 00.4		C 0.30	C 270
			4.C	J 19.4	R 00.4		C 0.32	C 250
			6.C	J 19.4	R 00.4		C 0.33	C 270
			8.C	J 19.4	R 00.4		C 0.28	C 250
16/10/69	12.7	9.C	C.C	J 19.4	R 00.6		C 0.60	C 280
			2.C	J 19.3	R 00.6		C 0.55	C 270
			4.C	J 19.3	R 00.6		C 0.55	C 270
			6.C	J 19.2	R 00.6		C 0.44	C 270
			8.C	J 19.2	R 00.6		C 0.21	C 260
16/10/69	13.7	10.C	C.C	J 19.3	R 00.8		C 0.70	C 270
			2.C	J 19.3	R 00.8		C 0.70	C 260
			4.C	J 19.3	R 00.8		C 0.61	C 250
			6.C	J 19.3	R 00.8		C 0.60	C 250
			8.C	J 19.3	R 00.8		C 0.40	C 250
			10.C		R 00.8			
16/10/69	14.7	10.C	C.C	J 19.5			C 0.63	C 270
			2.C	J 19.4			C 0.65	C 260
			4.C	J 19.4			C 0.70	C 260
			6.C	J 19.4			C 0.63	C 250
			8.C	J 19.4			C 0.60	C 250
16/10/69	15.6	10.C	C.C	J 19.4	R 01.6		C 0.65	C 270
			2.C	J 19.5	R 01.6		C 0.63	C 270
			4.C	J 19.5	R 01.7		C 0.63	C 260
			6.C	J 19.5	R 01.7		C 0.50	C 260
			8.C	J 19.5	R 01.7		C 0.28	C 250
			10.C		R 01.7			

(CONTINUED)

STATION P(12.1)B (CONTINUED)

LATITUDE 37DEGREES 32.8MINUTES NORTH, LONGITUDE 76DEGREES 53.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	16.6	10.0	0.0	J 19.6	R 02.0		C 0.41	C 260
			2.0	J 19.6	R 02.1		C 0.39	C 270
			4.0	J 19.6	R 02.2		C 0.40	C 260
			6.0	J 19.6	R 02.2		C 0.39	C 250
			8.0	J 19.6	R 02.2		C 0.31	C 250
			10.0		R 02.1			
16/10/69	17.9	8.0	0.0	J 19.6	R 02.4		C 0.06	C 110
			2.0	J 19.7	R 02.4		C 0.05	C 230
			4.0	J 19.7	R 02.5		C 0.10	C 240
			6.0	J 19.7	R 02.8		C 0.08	C 260
			7.0	J 19.7			C 0.03	C 260
			8.0		R 02.8			
16/10/69	19.2	8.0	0.0	J 19.4	R 01.7		C 0.48	C 080
			2.0	J 19.6	R 01.8		C 0.53	C 080
			4.0	J 19.6	R 02.1		C 0.39	C 080
			6.0	J 19.7	R 02.4		C 0.31	C 100
			7.0	J 19.7			C 0.12	C 100
			8.0		R 02.4			
16/10/69	19.7	8.0	0.0	J 19.3	R 01.1		C 0.71	C 080
			2.0	J 19.5	R 01.4		C 0.69	C 090
			4.0	J 19.5	R 01.5		C 0.57	C 080
			6.0	J 19.5	R 01.6		C 0.49	C 090
			7.0	J 19.5	R 01.6		C 0.30	C 090
16/10/69	22.5	8.0	0.0	J 19.3	R 00.8		C 0.75	C 080
			2.0	J 19.2	R 00.8		C 0.74	C 080
			4.0	J 19.2	R 00.8		C 0.63	C 080
			6.0	J 19.2	R 00.8		C 0.42	C 080
16/10/69	23.5	6.0	0.0	J 19.2	R 00.6		C 0.54	C 080
			2.0	J 19.2	R 00.6		C 0.50	C 080
			4.0	J 19.3	R 00.6		C 0.42	C 080
			6.0	J 19.3	R 00.6		C 0.20	C 080
17/10/69	0.3	6.0	0.0	J 19.1	R 00.5		C 0.30	C 090
			2.0	J 19.2	R 00.5		C 0.30	C 080
			4.0	J 19.3	R 00.5		C 0.21	C 080
			6.0	J 19.3	R 00.5		C 0.13	C 080

(CONTINUED)

STATION P(12.1)B (CONTINUED)

LATITUDE 37DEGREES 32.8MINUTES NORTH, LONGITUDE 76DEGREES 53.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 1000HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	1.3	7.0	C.C	J 19.2	R 00.5		C 0.08	C 220
			2.C	J 19.2	R 00.5		C 0.07	C 220
			4.C	J 19.3	R 00.5		C 0.05	C 200
			6.C	J 19.2	R 00.5		C 0.02	C 230
			6.5	J 19.2			C 0.03	C 220
17/10/69	2.4	8.0	C.C	J 18.9			C 0.38	C 280
			2.C	J 19.1			C 0.40	C 270
			4.C	J 19.1			C 0.36	C 270
			6.C	J 19.1			C 0.29	C 260
			8.C	J 19.1			C 0.28	C 260
17/10/69	3.2	9.0	C.C	J 19.0	R 00.7		C 0.44	C 270
			2.C	J 19.1	R 00.8		C 0.48	C 270
			4.C	J 19.1	R 00.8		C 0.43	C 260
			6.C	J 19.1	R 00.8		C 0.37	C 260
			8.C	J 19.1	R 00.8		C 0.35	C 260
17/10/69	4.3	9.0	C.C	J 18.8	R 00.8		C 0.44	C 280
			2.C	J 18.9	R 00.9		C 0.44	C 270
			4.C	J 19.0	R 00.9		C 0.41	C 260
			6.C	J 19.0	R 00.9		C 0.30	C 260
			8.C	J 19.1	R 00.9		C 0.23	C 260
17/10/69	5.4	9.0	C.C	J 18.8			C 0.21	C 290
			2.C	J 18.9			C 0.25	C 270
			4.C	J 19.7			C 0.28	C 250
			6.C	J 19.1			C 0.16	C 240
			8.C	J 19.1			C 0.10	C 250
17/10/69	6.4	9.0	C.C	J 18.4	R 01.2		C 0.09	C 080
			2.C	J 18.4	R 01.2		C 0.13	C 060
			4.C	J 18.6	R 01.3		C 0.13	C 060
			6.C	J 18.6	R 01.3		C 0.09	C 080
			8.C	J 18.6	R 01.4		C 0.10	C 080
17/10/69	7.3	9.0	C.C	J 18.5	R 01.1		C 0.55	C 050
			2.C	J 18.6	R 01.0		C 0.80	C 080
			4.C	J 18.6	R 01.0		C 0.55	C 050
			6.C	J 18.6	R 01.1		C 0.73	C 080
			8.C	J 18.6	R 01.1		C 0.80	C 080

(CONTINUED)

STATION P(12.1)B (CONTINUED)

LATITUDE 37DEGREES 32.8MINUTES NORTH, LONGITUDE 76DEGREES 53.3MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 1000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	8.2	7.0	C.C	J 18.4	R 00.9		C 0.60	C 090
			2.C	J 18.5	R 00.9		C 0.60	C 090
			4.C	J 18.5	R 00.9		C 0.70	C 090
			6.C	J 18.5	R 00.9		C 0.60	C 090
			7.C	J 18.5	R 00.9		C 0.47	C 090
17/10/69	9.2	7.0	C.C	J 18.5	R 00.7		C 0.65	C 080
			2.C	J 18.7	R 00.7		C 0.65	C 080
			4.C	J 18.9	R 00.7		C 0.65	C 090
			6.C	J 18.9	R 00.7		C 0.65	C 080
			8.C	J 19.0	R 00.8		C 0.60	C 090
17/10/69	10.2	8.0	C.C	J 18.5	R 00.5		C 0.65	C 070
			2.C	J 19.1	R 00.5		C 0.65	C 080
			4.C	J 19.1	R 00.5		C 0.60	C 080
			6.C	J 19.1	R 00.5		C 0.41	C 080
			8.C	J 19.2	R 00.5		C 0.38	C 090

STATION P(9.5)A

LATITUDE 37DEGREES 34.8MINUTES NORTH, LONGITUDE 76DEGREES 52.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION	
16/10/69	12.5	7.0	C.C	F 19.5	R 01.4	B 4.7	B 0.68	B 270	
			2.C	F 19.4	R 01.4		B 0.58	B 260	
			4.C	F 19.4	R 01.5		B 0.63	B 270	
			6.C	F 19.4	R 01.5		B 0.60	B 270	
16/10/69	13.5	7.0	C.C	F 19.4	R 02.2	B 6.9	B 0.63	B 270	
			2.C	F 19.4	R 02.3		B 0.58	B 260	
			4.C	F 19.4	R 02.2		B 0.60	B 270	
			6.C	F 19.4	R 02.3		B 0.60	B 260	
16/10/69	14.5	7.0	C.C	F 19.4	R 02.7	B 4.8	B 0.63	B 250	
			2.C	F 19.4	R 02.7		B 0.53	B 250	
			4.C	F 19.4	R 02.7		B 0.60	B 260	
			6.C	F 19.4	R 02.7		B 0.65	B 240	
16/10/69	15.5	7.0	C.C	F 19.6	R 03.9	B 6.5	B 0.53	B 270	
			2.C	F 19.7	R 03.7		B 0.53	B 270	
			4.C	F 19.8	R 03.7		B 0.58	B 270	
			6.C	F 19.8	R 03.7		B 0.58	B 270	
16/10/69	16.5	7.0	C.C		R 04.6		B 0.53	B 260	
			2.C		R 04.5		B 0.58	B 240	
			4.C		R 04.5		B 0.53	B 240	
			6.C		R 04.5		B 0.53	B 260	
16/10/69	17.5	8.0	C.C		R 05.1	B 5.6	B 0.01	B 170	
			2.C		R 04.7			B 0.04	B 310
			4.C		R 05.3			B 0.05	B 340
			6.C		R 05.1				
16/10/69	18.5	8.0	C.C		R 04.5	B 6.3	B 0.45	B 100	
			2.C		R 04.8			B 0.48	B 090
			4.C		R 04.9			B 0.45	B 090
			6.C		R 05.0			B 0.19	B 080
			7.C		R 05.0			B 0.14	B 090
16/10/69	19.5	7.0	C.C		R 02.4	B 6.4	B 0.40	B 100	
			2.C		R 03.0			B 0.75	B 100
			4.C		R 02.6			B 0.65	B 090
			6.C		R 03.0			B 0.32	B 090
16/10/69	20.5	6.0	C.C		R 02.6	B 6.5	B 0.95	B 090	
			2.C		R 03.0			B 0.85	B 090
			4.C		R 03.0			B 0.65	B 090
			6.C		R 02.7			B 0.60	B 090

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STATION P(9.5)A (CONTINUED)

LATITUDE 37DEGREES 34.8MINUTES NORTH, LONGITUDE 76DEGREES 52.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	21.5	7.0	C.C		R 02.1		B 0.65	B 090
			2.C		R 02.2	B 6.8	B 0.80	B 100
			4.C		R 02.1		B 0.65	B 100
			6.C		R 02.1		B 0.55	B 090
16/10/69	22.5	7.0	C.C		R 01.6		B 0.80	B 090
			2.C		R 01.6	B 6.6	B 0.70	B 090
			4.C		R 01.6		B 0.58	B 090
			6.C		R 01.6		B 0.80	B 090
16/10/69	23.5	7.0	C.C		R 01.3		B 0.50	B 090
			2.C		R 01.3	B 6.7	B 0.40	B 090
			4.C		R 01.3		B 0.35	B 090
			6.C		R 01.3		B 0.23	B 090
17/10/69	0.5	6.0	C.C	0 18.8	R 01.1		B 0.50	B 100
			2.C	0 19.2	R 01.1	B 6.5	B 0.01	B 100
			4.C	0 19.2	R 01.1			B 080
			6.C	0 19.2	R 01.1		B 0.04	B 320
17/10/69	1.5	6.0	C.C	0 19.1	R 01.1		B 0.10	B 260
			2.C	0 19.2	R 01.5	B 7.0	B 0.14	B 250
			4.C	0 19.2	R 01.1		B 0.19	B 250
			6.C	0 19.2	R 01.1		B 0.17	B 270
17/10/69	2.5	7.0	C.C	0 19.2	R 01.4		B 0.55	B 270
			2.C	0 19.2	R 01.4	B 6.6	B 0.50	B 260
			4.C	0 19.2	R 01.4		B 0.40	B 260
			6.C	0 19.2	R 01.4		B 0.40	B 260
17/10/69	3.5	7.0	C.C	0 19.2	R 01.7		B 0.45	B 260
			2.C	0 19.2	R 01.7	B 6.4	B 0.60	B 260
			4.C	0 19.2	R 01.7		B 0.10	B 260
			6.C	0 19.2	R 01.8		B 0.50	B 270
17/10/69	4.5	7.0	C.C	0 19.2	R 02.4		B 0.50	B 270
			2.C	0 19.4	R 02.4	B 6.6	B 0.45	B 270
			4.C	0 19.4	R 02.4		B 0.40	B 270
			6.C	0 19.4	R 02.4		B 0.30	B 270
17/10/69	6.5	8.0	C.C	0 19.3	R 02.7		B 0.22	B 090
			2.C	0 19.3	R 02.7	B 5.5	B 0.21	B 090
			4.C	0 19.3	R 02.4	B 4.9	B 0.20	B 080
			6.C	0 19.3	R 02.4	B 6.0	B 0.17	B 090
			8.C	0 19.3	R 02.5	B 4.8	B 0.06	B 100

(CONTINUED)

STATION P(9.5)A (CONTINUED)

LATITUDE 37DEGREES 34.8MINUTES NORTH, LONGITUDE 76DEGREES 52.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	7.5	8.0	C.C	0 19.1	R 02.2	B 5.0	B 0.60	B 090
			2.C	0 19.2	R 02.1	B 5.0	B 0.60	B 090
			4.C	0 19.2	R 02.0	B 5.6	B 0.55	B 090
			6.C	0 19.2	R 01.9	B 5.0	B 0.36	B 090
			8.C	0 19.2	R 01.9	B 4.8	B 0.12	B 060
17/10/69	8.5	8.0	C.C	0 19.0	R 01.6	B 4.6	B 0.80	B 100
			2.C	0 19.1	R 01.7	B 5.2	B 0.70	B 100
			4.C	0 19.1	R 01.6	B 6.0	B 0.60	B 100
			6.C	0 19.1	R 01.6	B 5.3	B 0.37	B 100
			8.C	0 19.1	R 01.6	B 4.9	B 0.35	B 100
17/10/69	9.5	8.0	C.C	0 19.0	R 00.3	B 4.9	B 0.70	B 090
			2.C	0 19.0	R 00.3	B 3.8	B 0.70	B 090
			4.C	0 19.0	R 00.3	B 5.0	B 0.50	B 090
			6.C	0 19.0	R 00.3	B 4.8	B 0.40	B 090
			8.C	0 19.0	R 00.3	B 4.7	B 0.35	B 090

STATION P(9.5)B

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 52.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	12.5	7.0	C.C	H 19.4	R 02.2		B 0.63	B 250
			2.C	H 19.4	R 02.2		B 0.55	B 260
			4.C	H 19.3	R 02.2		B 0.60	B 260
			6.C	H 19.3	R 02.2		B 0.58	B 260
16/10/69	13.5	7.0	C.C	H 19.5	R 02.7		B 0.55	B 250
			2.C	H 19.5	R 02.7		B 0.58	B 260
			4.C	H 19.5	R 02.7		B 0.60	B 270
			6.C	H 19.4	R 02.7		B 0.53	B 260
16/10/69	14.5	7.0	C.C	H 19.4	R 02.8		B 0.68	B 250
			2.C	H 19.4	R 02.8		B 0.65	B 270
			4.C	H 19.4	R 02.8		B 0.55	B 260
			6.C	H 19.4	R 02.8		B 0.60	B 270
16/10/69	15.5	7.0	C.C		R 04.6		B 0.55	B 280
			2.C		R 04.6		B 0.53	B 280
			4.C		R 04.6		B 0.53	B 270
			6.C		R 04.6		B 0.55	B 260
16/10/69	16.5	7.0	C.C		R 04.7		B 0.58	B 260
			2.C		R 04.6		B 0.58	B 270
			4.C		R 04.7		B 0.58	B 260
			6.C		R 04.7		B 0.58	B 260
16/10/69	17.5	6.0	C.C		R 04.6		B 0.14	B 110
			2.C		R 04.7		B 0.09	B 100
			4.C		R 05.2		B 0.06	B 080
			6.C		R 05.4		B 0.06	B 070
16/10/69	18.5	5.0	C.C		R 04.6		B 0.55	B 090
			2.C		R 04.7		B 0.55	B 100
			4.C		R 04.8		B 0.39	B 100
			5.C		R 04.5		B 0.38	B 090
16/10/69	19.5	5.0	C.C		R 02.5		B 0.90	B 090
			2.C		R 03.5		B 0.70	B 090
			4.C		R 03.8		B 0.50	B 090
			5.C				B 0.40	B 090
16/10/69	20.5	5.0	C.C		R 02.9		B 0.85	B 100
			2.C		R 02.9		B 0.70	B 100
			4.C		R 02.8		B 0.60	B 100
			5.C				B 0.35	B 100

(CONTINUED)

STATION P(9.5)B (CONTINUED)

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 52.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	21.5	5.0	C.C		R C2.1		B 0.75	B 100
			2.C		R C2.1		B 0.60	B 100
			4.C		R C2.1		B 0.45	B 100
16/10/69	22.5	5.0	C.C		R C1.6		B 0.65	B 090
			2.C		R C1.6		B 0.50	B 090
			4.C		R C1.6		B 0.38	B 090
16/10/69	23.5	5.0	C.C		R C1.3		B 0.40	B 100
			2.C		R C1.3		B 0.38	B 090
			4.C		R C1.3		B 0.25	B 090
17/10/69	0.5	4.0	C.C	0 19.2	R C1.1		B 0.00	B 170
			2.C	0 19.2	R C1.2		B 0.01	B 200
			4.C	0 19.2			B 0.06	B 280
17/10/69	1.5	5.0	C.C	0 19.1	R C1.5		B 0.20	B 260
			2.C	0 19.1	R C1.2		B 0.23	B 260
			4.C	0 19.2	R C1.2		B 0.26	B 270
17/10/69	2.5	5.0	C.C	0 19.1	R C1.4		B 0.70	B 270
			2.C	0 19.1	R C1.4		B 0.60	B 270
			4.C	0 19.1	R C1.4		B 0.48	B 270
17/10/69	3.5	5.0	C.C	0 19.2	R C1.9		B 0.75	B 280
			2.C	0 19.2	R C1.9		B 0.70	B 270
			4.C	0 19.2	R C1.9		B 0.55	B 260
17/10/69	4.5	5.0	C.C	0 19.2	R C2.1		B 0.45	B 290
			2.C	0 19.2	R C2.4		B 0.35	B 270
			4.C	0 19.2	R C2.4		B 0.35	B 270
17/10/69	6.5	6.0	C.C	0 19.3	R C2.5	B 5.8	B 0.42	B 090
			2.C	0 19.3	R C2.5	B 5.1	B 0.38	B 090
			4.C	0 19.3	R C2.5	B 5.9	B 0.28	B 090
			6.C	0 19.3	R C2.4	B 4.7	B 0.16	B 090
17/10/69	7.5	6.0	C.C	0 19.0	R C1.8	B 4.2	B 0.65	B 090
			2.C	0 19.2	R C1.9	B 3.7	B 0.55	B 090
			4.C	0 19.2	R C1.8	B 4.3	B 0.40	B 090
			6.C	0 19.2	R C1.8	B 4.6	B 0.25	B 090

(CONTINUED)

STATION P(9.5)B (CONTINUED)

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 52.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 1200 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	8.5	6.0	0.0	0 19.0	R 01.6	B 5.7	B 0.60	B 090
			2.0	0 19.0	R 01.6	B 5.7	B 0.55	B 100
			4.0	0 19.0	R 01.6	B 5.4	B 0.43	B 090
			6.0	0 19.0	R 01.6	B 4.5	B 0.34	B 090
17/10/69	9.5	6.0	0.0	0 19.0	R 00.3	B 4.0	B 0.55	B 090
			2.0	0 19.0	R 00.3	B 5.2	B 0.50	B 090
			4.0	0 19.0	R 00.3	B 4.0	B 0.38	B 090
			6.0	0 19.0	R 00.3		B 0.30	B 100

STATION P(7.2)A

LATITUDE 37DEGREES 33.4MINUTES NORTH, LONGITUDE 76DEGREES 51.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.5	4.0	C.C	F 19.3	R 02.7		S 0.73	L 220
			2.C	F 19.5	R 02.8		S 0.64	L 220
			4.C	F 19.5	R 02.9		S 0.44	L 220
16/10/69	9.5	4.0	C.C	F 19.3	R 02.0		S 0.49	L 220
			2.C	F 19.2	R 02.0		S 0.41	L 220
			4.C	F 19.3	R 02.0		S 0.32	L 220
16/10/69	10.5	5.0	C.C	F 19.3	R 01.8		S 0.17	L 220
			2.C	F 19.3	R 01.8		S 0.14	L 220
			4.C	F 19.3	R 01.9		S 0.21	L 220
16/10/69	11.5	5.0	C.C	F 19.3	R 01.8		S 0.21	S 40
			2.C	F 19.3	R 01.9		S 0.20	S 20
			4.C	F 19.3	R 01.9		S 0.23	S 20
16/10/69	12.5	5.0	C.C	F 19.4	R 02.2		S 0.46	S 40
			2.C	F 19.5	R 02.3		S 0.55	S 40
			4.C	F 19.5	R 02.6		S 0.59	S 40
16/10/69	13.5	5.0	C.C	F 19.8	R 02.7		S 0.49	S 40
			2.C	F 19.8	R 03.0		S 0.56	S 40
			4.C	F 19.7	R 03.2		S 0.51	S 40
16/10/69	14.5	5.0	C.C	F 20.0	R 04.6		S 0.55	S 50
			2.C	F 20.0	R 04.6		S 0.60	S 50
			4.C	F 19.9	R 04.8		S 0.63	S 50
16/10/69	15.5	5.0	C.C	F 19.7	R 05.7		S 0.43	S 40
			2.C	F 19.7	R 05.9		S 0.50	S 40
			4.C	F 19.7	R 06.0		S 0.46	S 40
16/10/69	16.5	5.0	C.C	F 19.7	R 06.5		S 0.19	S 20
			2.C	F 19.7	R 07.0		S 0.36	S 50
			4.C	F 19.7	R 07.2		S 0.29	S 50
16/10/69	17.5	5.0	C.C	F 19.1	R 07.0		S 0.63	S 320
			2.C	F 19.5	R 08.0		S 0.04	S 10
			4.C	F 19.7	R 07.3		S 0.63	S 70
16/10/69	18.5	5.0	C.C	F 19.2	R 07.6		S 0.31	S 200
			2.C	F 19.5	R 08.0		S 0.28	S 210
			4.C	F 19.6	R 07.9		S 0.21	S 210

(CONTINUED)

STATION P(7.2)A (CONTINUED)

LATITUDE 37DEGREES 33.4MINUTES NORTH, LONGITUDE 76DEGREES 51.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	19.5	5.0	C.C	H 19.1	R 06.3		S 0.44	S 200
			2.C	F 19.5	R 06.7		S 0.50	S 200
			4.C	F 19.6	R 07.3		S 0.25	S 210
16/10/69	20.5	5.0	C.C	H 19.3	R 05.3		S 0.94	S 190
			2.C	H 19.5	R 05.4		S 0.75	S 190
			4.C	H 19.5	R 05.8		S 0.50	S 200
16/10/69	21.5	5.0	C.C	F 19.3	R 03.7	B 6.2	S 0.94	S 190
			2.C	F 19.6	R 03.7		S 0.75	S 190
			4.C	H 19.6	R 04.0		S 0.50	S 190
16/10/69	22.5	5.0	C.C	F 19.1	R 03.0	B 6.6	S 0.75	S 200
			2.C	H 19.3	R 03.0		S 0.50	S 190
			4.C	F 19.5	R 03.1		S 0.25	S 190
16/10/69	23.5	5.0	C.C	F 19.0	R 02.3	B 6.5	S 0.50	S 200
			2.C	H 19.3	R 02.4		S 0.25	S 190
			4.C	H 19.3	R 02.5		S 0.25	S 190
17/10/69	0.5	4.0	C.C	F 18.8	R 02.1	B 6.6	S 0.25	S 210
			2.C	F 19.3	R 02.2		S 0.15	S 190
			3.C	F 19.4	R 02.3		B 0.05	B 190
17/10/69	1.5	4.0	C.C	F 19.0	R 02.2	B 6.4	S 0.21	S 20
			2.C	F 19.3	R 02.3		S 0.35	S 30
			3.C	F 19.5	R 02.6		S 0.29	S 40
17/10/69	2.5	5.0	C.C	F 18.4	R 02.8	B 7.1	S 0.50	S 190
			2.C	F 19.1	R 02.9		S 0.50	S 190
			4.C	F 19.5	R 03.0		S 0.25	S 180
17/10/69	3.5	5.0	C.C	H 19.0	R 03.2	B 5.9	S 0.38	S 30
			2.C	H 19.3	R 03.2		S 0.50	S 20
			4.C	F 19.5	R 03.6		S 0.25	S 20
17/10/69	4.5	5.0	C.C	F 18.7	R 03.6	B 5.4	S 0.31	S 10
			2.C	F 19.1	R 04.0		S 0.41	S 10
			4.C	F 19.3	R 04.4		S 0.34	S 10
17/10/69	5.5	5.0	C.C	F 19.5	R 03.6	B 5.3	S 0.05	S 230
			2.C	F 19.5	R 04.7		S 0.04	S 200
			4.C	F 19.5	R 05.0		S 0.09	S 200

(CONTINUED)

STATION P(7.2)A (CONTINUED)

LATITUDE 37DEGREES 33.4MINUTES NORTH, LONGITUDE 76DEGREES 51.5MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	6.5	5.0	C.C	F 19.2	R 03.0	B 5.0	S 0.41	S 200
			2.C	F 19.5	R 04.9		S 0.28	S 200
			4.C	F 19.6	R 05.0		S 0.12	S 210
17/10/69	7.5	5.0	C.C	F 19.4	R 03.2		S 0.66	S 200
			2.C	F 19.4	R 03.7		S 0.63	S 190
			4.C	F 19.5	R 04.4		S 0.30	S 190
17/10/69	8.5	5.0	C.C	F 19.2	R 02.8	B 6.4	S 0.66	S 190
			2.C	F 19.3	R 02.9		S 0.44	S 180
			4.C	F 19.4	R 03.3		S 0.29	S 190
17/10/69	9.5	5.0	C.C	F 19.3	R 02.2	B 6.0	S 0.65	S 200
			2.C	F 19.3	R 02.2		S 0.46	S 200
			4.C	F 19.3	R 02.3		S 0.35	S 200

STATION P(7.2)B

LATITUDE 37DEGREES 33.4MINUTES NORTH, LONGITUDE 76DEGREES 51.6MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

CA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.7	5.0	0.0	H 19.3	R 02.4		S 0.45	L 210
			2.0	H 19.4	R 02.5	B 6.4	S 0.75	L 210
			4.0	H 19.4	R 02.6		S 0.40	L 210
16/10/69	9.7	5.0	0.0	H 19.5	R 01.9		S 0.55	L 210
			2.0	H 19.3	R 01.9	B 6.4	S 0.48	L 210
			4.0	H 19.3	R 02.0		S 0.43	L 210
16/10/69	10.7	5.0	0.0	H 19.3	R 01.7		S 0.13	L 210
			2.0	H 19.2	R 01.7		S 0.10	L 210
			4.0	H 19.2	R 01.8		S 0.01	L 210
16/10/69	11.7	5.0	0.0	H 19.3	R 01.8		S 0.28	S 30
			2.0	H 19.3	R 01.9		S 0.32	S 20
			4.0	H 19.3	R 02.0		S 0.35	S 10
16/10/69	12.7	5.0	0.0	H 20.0	R 02.2		S 0.61	S 40
			2.0	H 19.5	R 02.2	B 6.5	S 0.66	S 40
			4.0	H 19.5	R 02.9		S 0.58	S 40
16/10/69	13.7	5.0	0.0	H 19.9	R 03.8		S 0.79	S 50
			2.0	H 19.8	R 03.8	B 6.0	S 0.78	S 40
			4.0	H 19.8	R 03.8		S 0.66	S 40
			5.5		R 03.8			18
16/10/69	14.7	5.0	0.0	H 19.8	R 05.2		S 0.70	S 60
			2.0	H 19.8	R 05.2		S 0.69	S 60
			4.0	H 19.8	R 05.3		S 0.59	S 40
			5.5		R 05.3			18
16/10/69	15.7	5.0	0.0	H 19.7	R 06.4		S 0.61	S 60
			2.0	H 19.7	R 06.5	B 4.9	S 0.64	S 50
			4.0	H 19.7	R 06.5		S 0.59	S 50
			5.5		R 06.5			18
16/10/69	16.7	5.0	0.0	H 19.5	R 07.1		S 0.31	S 40
			2.0	H 19.7	R 07.3	B 4.7	S 0.43	S 40
			4.0	H 19.7	R 07.5		S 0.39	S 40
			5.0	H 19.7	R 07.5		S 0.26	S 40
16/10/69	17.7	5.0	0.0	H 19.3	R 05.9		S 0.88	S 220
			2.0	H 19.5	R 07.4	B 5.6	S 0.63	S 320
			4.0	H 19.7	R 08.1		S 0.09	S 10

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STATION P(7.2)B (CONTINUED)

LATITUDE 37DEGREES 33.4MINUTES NORTH, LONGITUDE 76DEGREES 51.6MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	18.7	5.0	C.C	F 19.3	R 07.3	B 4.4	S 0.39	S 190
			2.C	F 19.6	R 07.7		S 0.29	S 190
			4.C	F 19.8	R 07.7		S 0.26	S 190
16/10/69	19.7	5.0	C.C	F 19.3	R 06.2		S 0.88	S 200
			2.C	F 19.5	R 06.3		S 0.88	S 190
			4.C	F 19.6	R 06.9		S 0.75	S 190

STATION P(7.2)C

LATITUDE 37DEGREES 33.4MINUTES NORTH, LONGITUDE 76DEGREES 51.7MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DATE-MO-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.9	4.0	C.C	F 19.3	R 02.5		S 0.71	L 220
			2.C	H 19.4	R 02.5		S 0.56	L 220
			4.C	H 19.4	R 02.6		S 0.42	L 220
16/10/69	10.0	4.0	C.C	F 19.3	R 01.9		S 0.50	L 220
			2.C	F 19.3	R 02.0		S 0.45	L 220
			4.C	F 19.3	R 02.0		S 0.27	L 220
16/10/69	11.0	4.0	C.C	F 19.5	R 01.7		S 0.21	S 230
			2.C	F 19.3	R 01.8		S 0.13	S 270
			4.C	F 19.2	R 01.9		S 0.75	S 320
16/10/69	11.9	4.0	C.C	F 19.4	R 01.8		S 0.40	S 50
			2.C	F 19.3	R 01.9		S 0.35	S 30
			4.C	H 19.3	R 01.9		S 0.28	S 20
16/10/69	12.8	4.0	C.C	F 19.9	R 02.2		S 0.69	S 40
			2.C	F 19.5	R 02.4		S 0.66	S 40
			4.C	F 19.5	R 03.0		S 0.53	S 30
16/10/69	13.8	4.0	C.C	F 19.7			S 0.69	S 50
			2.C	F 19.6			S 0.69	S 50
			4.C	F 19.7			S 0.60	S 50
16/10/69	14.8	4.0	C.C	F 19.9	R 04.9		S 0.63	S 50
			2.C	F 19.7	R 05.3		S 0.70	S 50
			4.C	F 19.7	R 05.4		S 0.60	S 50
16/10/69	15.8	4.0	C.C	F 19.6	R 06.4		S 0.56	S 50
			2.C	F 19.7	R 06.7		S 0.58	S 40
			4.C	F 19.7	R 06.8		S 0.58	S 40
16/10/69	16.7	4.0	C.C	F 19.3	R 07.0		S 0.24	S 10
			2.C	F 19.6	R 07.6		S 0.34	S 20
			4.C	F 19.7	R 07.7		S 0.24	S 30
16/10/69	17.8	4.0	C.C	F 19.5	R 06.1		S 0.04	S 110
			2.C	F 19.6	R 07.9		S 0.63	S 60
			4.C	F 19.8	R 08.1		S 0.09	S 70
16/10/69	18.8	4.0	C.C	F 19.4	R 06.8		S 0.50	S 190
			2.C	F 19.6	R 06.8		S 0.44	S 210
			4.C	F 19.7	R 07.7		S 0.25	S 190

(CONTINUED)

STATION P(7.2)C (CONTINUED)

LATITUDE 37DEGREES 33.4MINUTES NORTH, LONGITUDE 76DEGREES 51.7MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	19.8	4.0	C.C	H 19.4	R 06.0		S 0.94	S 190
			2.C	H 19.5	R 06.3		S 0.81	S 190
			3.C	H 19.7	R 06.3		S 0.50	S 190
16/10/69	20.8	5.0	C.C		R 03.0			
			2.C		R 03.0			
			4.C		R 03.1			

STATION P(4.9)A

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 52.1MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.5	5.0	C.C	H 19.5	R 05.1		A 0.40	A 120
			2.C	F 19.6	R 05.5		A 0.75	A 130
			4.C	F 19.6	R 05.8		A 0.42	A 150
16/10/69	9.5	5.0	C.C	H 19.6	R 04.3		A 0.60	A 120
			2.C	F 19.7	R 04.6		A 0.55	A 140
			4.C	H 19.7	R 04.8		A 0.24	A 150
16/10/69	10.5	5.0	C.C	F 19.7	R 03.8		A 0.16	A 140
			2.C	F 19.7	R 03.9		A 0.12	A 130
			4.C	F 19.6	R 04.1		A 0.05	A 180
16/10/69	11.5	5.0	C.C	H 19.8	R 03.7		A 0.14	A 360
			2.C	F 19.7	R 03.8		A 0.17	A 330
			4.C	F 19.7	R 03.6		A 0.20	A 350
16/10/69	12.5	5.0	C.C	F 19.9	R 04.5		A 0.60	A 330
			2.C	F 19.9	R 04.5		A 0.60	A 320
			4.C	F 19.8	R 04.6		A 0.44	A 320
16/10/69	13.5	5.0	C.C	H 20.1	R 05.2		A 0.90	A 320
			2.C	F 19.8	R 05.7		A 0.85	A 310
			4.C	F 19.6	R 06.3		A 0.50	A 310
16/10/69	14.5	5.0	C.C	F 19.8	R 07.5		A 0.75	A 320
			2.C	F 19.8	R 07.5		A 0.75	A 330
			4.C	H 19.8	R 07.5		A 0.60	A 330
16/10/69	15.5	5.0	C.C	F 19.9	R 08.9		A 0.65	A 330
			2.C	F 19.9	R 09.0		A 0.65	A 320
			4.C	F 19.8	R 09.0		A 0.47	A 330
16/10/69	16.5	5.0	C.C	F 19.9	R 09.0		A 0.75	A 290
			2.C	F 19.9	R 09.4		A 0.12	A 320
			4.C	F 19.8	R 09.8		A 0.32	A 340
16/10/69	17.5	5.0	C.C	F 19.7	R 08.8		A 0.12	A 150
			2.C	F 19.7	R 10.0		A 0.06	A 210
			4.C	F 19.7	R 10.1		A 0.06	A 110
16/10/69	18.5	5.0	C.C	H 19.5	R 07.7		A 0.40	A 130
			2.C	F 19.7	R 06.2		A 0.42	A 130
			4.C	F 19.7	R 09.9		A 0.23	A 130

(CONTINUED)

STATION P(4.9)A (CONTINUED)

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 52.1MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	19.5	4.C	C.C	H 19.6	R 07.0		A 0.90	A 120
			2.C	H 19.8	R 09.0		A 0.70	A 140
			4.C	H 19.8	R 09.2		A 0.50	A 160
16/10/69	20.5	4.C	C.C	F 19.6	R 07.1		A 0.90	A 130
			2.C	F 19.7	R 07.7		A 0.75	A 140
			4.C	F 19.8	R 07.9		A 0.50	A 140
16/10/69	21.5	4.C	C.C	T 19.5	R 06.1		A 0.80	A 190
			2.C		R 06.3		A 0.70	A 130
			4.C		R 06.4		A 0.50	A 140
16/10/69	22.5	4.C	C.C	T 19.7	R 05.0		A 0.60	A 130
			2.C		R 05.2		A 0.50	A 140
			3.C		R 05.3		A 0.05	A 150
16/10/69	23.5	4.C	C.C		R 03.9		A 0.38	A 140
			2.C		R 03.9		A 0.31	A 140
			3.C				A 0.23	A 160
17/10/69	0.6	4.C	C.C	T 19.4	R 03.6		A 0.50	A 130
			2.C		R 03.7		A 0.00	
			3.C		R 03.9		A 0.02	A 360
17/10/69	1.5	4.C	C.C	T 19.4	R 03.6		A 0.13	A 350
			2.C		R 03.8		A 0.24	A 320
			3.C		R 04.2		A 0.30	A 330
17/10/69	2.5	4.C	C.C	T 19.4	R 04.1		A 0.45	A 310
			2.C		R 04.3		A 0.49	A 320
			4.C		R 05.0		A 0.33	A 320
17/10/69	3.6	4.C	C.C	T 19.5	R 05.4		A 0.75	A 340
			2.C		R 06.1		A 0.25	A 320
			4.C		R 06.5		A 0.12	A 310
17/10/69	4.5	4.C	C.C	T 19.5	R 06.3		A 0.38	A 330
			2.C		R 06.6		A 0.37	A 330
			3.C		R 06.7		A 0.26	A 330
17/10/69	5.7	4.C	C.C	T 19.2	R 06.4		A 0.10	A 140
			2.C		R 06.9		A 0.05	A 110
			4.C		R 07.1		A 0.06	A 110

(CONTINUED)

STATION P(4.9)A (CONTINUED)

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 52.1MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	6.5	4.0	C.C 2.C 4.C	T 18.8	R 05.8 R 06.8 R 07.2		A 0.31 A 0.29 A 0.21	A 120 A 140 A 130
17/10/69	7.5	4.0	C.C 2.C 4.C	T 19.3	R 04.9 R 06.5 R 06.6		A 0.70 A 0.55 A 0.33	A 120 A 130 A 150
17/10/69	8.5	4.0	C.C 2.C 4.C	T 19.6	R 04.8 R 05.4 R 05.6		A 0.80 A 0.70 A 0.49	A 120 A 130 A 140
17/10/69	9.5	4.0	C.C 2.C 4.C	T 19.5	R 04.0 R 04.2 R 04.4		A 0.70 A 0.65 A 0.38	A 140 A 140 A 140

STATION P(4.9)B

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 52.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.5	7.0	C.C	H 19.1	R 05.1		A 0.80	A 120
			2.C	F 19.4	R 05.1	B 5.5	A 0.80	A 130
			4.C	H 19.5	R 05.3		A 0.65	A 140
			6.C	H 19.6	R 05.4		A 0.33	A 150
16/10/69	9.6	7.0	C.C	H 19.6	R 04.2		A 0.60	A 110
			2.C	H 19.6	R 04.3	B 5.2	A 0.55	A 130
			4.C	H 19.6	R 04.3		A 0.38	A 140
			6.C	H 19.7	R 04.6		A 0.22	A 140
16/10/69	10.6	7.0	C.C	H 19.7	R 03.7		A 0.11	A 110
			2.C	H 19.7	R 03.7	B 6.0	A 0.09	A 110
			4.C	F 19.7	R 03.9		A 0.07	A 090
			6.C	F 19.7	R 04.3		A 0.08	A 180
16/10/69	11.6	6.0	C.C	F 19.7	R 03.9		A 0.24	A 290
			2.C	H 19.6	R 04.2	B 5.9	A 0.26	A 320
			4.C	F 19.6	R 04.4		A 0.34	A 320
			5.C	H 19.6			A 0.41	A 320
16/10/69	12.6	7.0	C.C	F 19.7	R 04.8		A 0.80	A 320
			2.C	F 19.7	R 04.7	B 5.0	A 0.75	A 300
			4.C	H 19.7	R 04.7		A 0.75	A 310
			6.C	F 19.6	R 05.9		A 0.60	A 320
16/10/69	13.6	7.0	C.C	F 20.0	R 05.4		A 1.00	A 320
			2.C	F 19.7	R 05.9	B 4.9	A 1.00	A 310
			4.C	F 19.6	R 06.6		A 0.90	A 310
			6.C	H 19.6	R 06.6		A 0.65	A 310
16/10/69	14.6	8.0	C.C	F 19.8	R 07.5		A 0.95	A 330
			2.C	F 19.8	R 07.5	B 4.2	A 0.95	A 330
			4.C	F 19.8	R 07.7		A 0.95	A 320
			6.C	F 19.8	R 07.8		A 0.75	A 320
			7.C	F 19.8	R 07.8		A 0.65	A 330
16/10/69	15.6	7.0	C.C	F 19.9	R 09.0		A 0.75	A 300
			2.C	H 19.9	R 09.1	B 4.5	A 0.80	A 320
			4.C	F 19.8	R 09.1		A 0.70	A 310
			6.C	F 19.8	R 09.2		A 0.50	A 320
16/10/69	16.6	7.0	C.C	F 19.7	R 09.8		A 0.37	A 310
			2.C	F 19.8	R 09.8	B 4.3	A 0.38	A 310
			4.C	F 19.8	R 09.9		A 0.36	A 320
			6.C	F 19.8	R 09.9		A 0.25	A 330

(CONTINUED)

STATION P(4.9)B (CONTINUED)

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 52.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	17.6	7.0	C.C	H 19.7	R 08.1	B 5.1	A 0.16	A 160
			2.C	H 19.7	R 09.7		A 0.09	A 130
			4.C	H 19.7	R 10.1		A 0.01	A 120
			6.C	H 19.7	R 10.2		A 0.02	A 140
16/10/69	18.7	6.0	C.C	H 19.7	R 08.0	B 5.2	A 0.60	A 120
			2.C	H 19.8	R 09.3		A 0.60	A 130
			4.C	H 19.8	R 09.6		A 0.43	A 130
			5.C	H 19.8	R 09.8		A 0.36	A 120
16/10/69	19.8	6.0	C.C	H 19.5	R 06.4	B 5.0	A 0.95	A 130
			2.C	H 19.7	R 07.7		A 0.85	A 120
			4.C	H 19.8	R 08.2		A 0.70	A 140
			5.C		R 08.3		A 0.50	A 140
16/10/69	20.6	6.0	C.C	H 19.6	R 07.1	B 5.2	A 0.90	A 140
			2.C	H 19.7	R 07.1		A 0.85	A 110
			4.C	H 19.7	R 07.2		A 0.70	A 110
			5.C	H 19.7	R 07.2		A 0.60	A 120
16/10/69	21.7	6.0	C.C		R 05.8	B 5.6	A 0.80	A 130
			2.C		R 05.8		A 0.70	A 130
			4.C		R 05.7		A 0.60	A 130
			5.C		R 05.7		A 0.50	A 130
16/10/69	22.7	6.0	C.C	T 19.1	R 04.7	B 6.0	A 0.65	A 140
			2.C		R 04.8		A 0.60	A 140
			4.C		R 04.9		A 0.39	A 140
			5.C		R 05.1		A 0.30	A 140
16/10/69	23.7	6.0	C.C		R 03.8	B 6.6	A 0.35	A 140
			2.C		R 03.8		A 0.33	A 130
			4.C		R 03.1		A 0.18	A 130
			5.C		R 04.3		A 0.09	A 150
17/10/69	0.7	6.0	C.C	T 19.4	R 03.5	B 7.4	A 0.01	A 140
			2.C		R 03.6		A 0.04	A 200
			4.C		R 03.9		A 0.90	A 270
			5.C		R 04.3		A 0.11	A 330
17/10/69	1.7	6.0	C.C	T 19.4	R 04.2	B 6.4	A 0.26	A 320
			2.C		R 03.9		A 0.32	A 310
			4.C		R 04.6		A 0.45	A 320
			5.C		R 04.1		A 0.36	A 310

(CONTINUED)

STATION P(4.9)B (CONTINUED)

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 52.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DATE-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	2.7	6.0	C.C	T 19.4	R 04.5	B 4.9	A 0.65	A 310
			2.C		R 05.8		A 0.65	A 310
			4.C		R 05.4		A 0.65	A 310
			5.C		R 06.1		A 0.55	A 330
17/10/69	4.0	6.0	C.C		R 05.9	B 4.6	A 0.60	A 310
			2.C		R 06.4		A 0.60	A 310
			4.C		R 06.6		A 0.50	A 310
			6.C		R 07.0		A 0.31	A 310
17/10/69	5.0	6.0	C.C	T 18.9	R 06.9	B 4.5	A 0.25	A 350
			2.C		R 06.9		A 0.25	A 320
			4.C		R 07.2		A 0.17	A 310
			6.C		R 07.3		A 0.00	A 310
17/10/69	5.9	6.0	C.C	T 19.2	R 06.1	B 4.0	A 0.16	A 140
			2.C		R 06.9		A 0.12	A 130
			4.C		R 07.2		A 0.06	A 120
			6.C		R 07.3		A 0.08	A 100
17/10/69	6.6	6.0	C.C	T 19.2	R 06.0	B 4.8	A 0.48	A 120
			2.C		R 06.5		A 0.40	A 130
			4.C		R 07.0		A 0.32	A 130
			6.C		R 07.3		A 0.12	A 130
17/10/69	7.6	6.0	C.C	T 19.0	R 04.6	B 5.1	A 0.80	A 130
			2.C		R 05.7		A 0.70	A 130
			4.C		R 06.5		A 0.53	A 140
			6.C		R 06.7		A 0.31	A 140
17/10/69	8.6	6.0	C.C	T 19.5	R 04.6	B 5.6	A 0.80	A 140
			2.C		R 04.7		A 0.80	A 130
			4.C		R 05.1		A 0.60	A 130
			6.C		R 05.3		A 0.20	A 140
17/10/69	9.7	6.0	C.C	T 19.6	R 03.8	B 5.8	A 0.65	A 130
			2.C		R 03.9		A 0.63	A 140
			4.C		R 04.0		A 0.44	A 130
			6.C		R 04.4		A 0.34	A 130

STATION P(4.9)C

LATITUDE 37DEGREES 31.5MINUTES NORTH, LONGITUDE 76DEGREES 52.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.7	7.C	C.C	F 19.1	R 04.9		A 0.80	A 120
			2.C	F 19.4	R 04.9		A 0.80	A 130
			4.C	F 19.5	R 04.9		A 0.75	A 150
			6.C	F 19.6	R 04.9		A 0.55	A 150
16/10/69	9.7	7.C	C.C	F 19.5	R 04.1		A 0.60	A 130
			2.C	F 19.6	R 04.1		A 0.50	A 140
			4.C	F 19.6	R 04.1		A 0.44	A 140
			6.C	F 19.6	R 04.2		A 0.34	A 140
16/10/69	10.7	7.C	C.C	F 19.6	R 03.6		A 0.80	A 120
			2.C	F 19.6	R 03.7		A 0.60	A 160
			4.C	F 19.6	R 03.8		A 0.03	A 100
			6.C	F 19.6	R 04.1		A 0.75	A 280
16/10/69	11.7	7.C	C.C	F 19.8	R 03.9		A 0.37	A 320
			2.C	F 19.8	R 04.1		A 0.44	A 320
			4.C	F 19.7	R 04.4		A 0.41	A 310
			6.C	F 19.7	R 04.5		A 0.34	A 320
16/10/69	12.7	8.C	C.C	F 19.7	R 04.9		A 0.75	A 320
			2.C	F 19.6	R 04.9		A 0.80	A 320
			4.C	F 19.6	R 05.1		A 0.65	A 320
			6.C	F 19.6	R 05.2		A 0.55	A 320
			7.C	F 19.6	R 05.3		A 0.44	A 320
16/10/69	13.7	9.C	C.C	F 19.7	R 05.8		A 0.80	A 310
			2.C	F 19.7	R 06.0		A 0.85	A 310
			4.C	F 19.7	R 06.0		A 0.85	A 310
			6.C	F 19.7	R 06.1		A 0.70	A 320
			8.C	F 19.7	R 06.2		A 0.50	A 320
16/10/69	14.7	9.C	C.C	F 19.8	R 07.5		A 0.70	A 340
			2.C	F 19.8	R 07.5		A 0.70	A 330
			4.C	F 19.8	R 07.5		A 0.75	A 320
			6.C	F 19.9	R 07.8		A 0.65	A 320
			8.C	F 19.9	R 07.8		A 0.60	A 310
16/10/69	15.7	9.C	C.C	F 19.8	R 08.8		A 0.50	A 330
			2.C	F 19.8	R 08.9		A 0.65	A 320
			4.C	F 19.8	R 09.1		A 0.55	A 320
			6.C	F 19.8	R 09.2		A 0.55	A 320
			8.C	F 19.8	R 09.2		A 0.34	A 310

(CONTINUED)

STATION P(4.9)C (CONTINUED)

LATITUDE 37DEGREES 31.5MINUTES NORTH, LONGITUDE 76DEGREES 52.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	16.8	9.0	C.C	H 19.7	R 09.6		A 0.18	A 330
			2.C	H 19.8	R 09.8		A 0.21	A 340
			4.C	H 19.8	R 10.0		A 0.20	A 340
			6.C	H 19.8	R 10.0		A 0.16	A 340
			8.C	H 19.8	R 10.0		A 0.08	A 310
16/10/69	17.7	8.0	C.C	H 19.6	R 08.1		A 0.30	A 150
			2.C	H 19.7	R 09.9		A 0.20	A 120
			4.C	H 19.7	R 10.1		A 0.12	A 110
			6.C	H 19.7	R 10.1		A 0.08	A 140
			7.C		R 10.1			
16/10/69	18.8	6.0	C.C	H 19.6	R 07.5		A 0.75	A 140
			2.C	H 19.7	R 09.0		A 0.70	A 190
			4.C	H 19.8	R 09.2		A 0.60	A 120
			5.C	H 19.8	R 09.4		A 0.55	A 140
16/10/69	20.0	7.0	C.C	H 19.3	R 06.4		A 1.00	A 140
			2.C	H 19.5	R 06.8		A 1.00	A 140
			4.C	H 19.7	R 07.5		A 0.80	A 140
			6.C	H 19.7	R 07.7		A 0.55	A 130
16/10/69	20.8	7.0	C.C	H 19.5	R 06.8		A 0.85	A 120
			2.C	H 19.5	R 06.7		A 0.85	A 130
			4.C	H 19.6	R 06.7		A 0.80	A 130
			6.C	H 19.6	R 06.7		A 0.50	A 160
16/10/69	22.0	7.0	C.C		R 05.5		A 0.80	A 130
			2.C		R 05.5		A 0.80	A 140
			4.C		R 05.4		A 0.70	A 140
			6.C		R 05.4		A 0.05	A 140
			7.C		R 05.4			
16/10/69	22.8	7.0	C.C	T 19.6	R 04.3		A 0.70	A 130
			2.C		R 04.3		A 0.60	A 130
			4.C		R 04.4		A 0.50	A 140
			6.C		R 04.5		A 0.25	A 140
16/10/69	23.9	7.0	C.C	T 19.1	R 03.7		A 0.31	A 140
			2.C		R 03.7		A 0.29	A 140
			4.C		R 03.8		A 0.16	A 140
			6.C		R 04.4		A 0.02	A 120

(CONTINUED)

STATION P(4.9)C (CONTINUED)

LATITUDE 37DEGREES 31.5MINUTES NORTH, LONGITUDE 76DEGREES 52.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	0.9	7.C	C.C	T 19.4	R 03.5		A 0.02	A 260
			2.C		R 03.6		A 0.02	A 300
			4.C		R 03.8		A 0.05	A 330
			6.C		R 04.2		A 0.10	A 320
17/10/69	1.8	6.C	C.C	T 19.4	R 03.8		A 0.35	A 320
			2.C		R 04.1		A 0.40	A 310
			4.C		R 05.1		A 0.55	A 320
			6.C		R 05.2		A 0.40	A 320
17/10/69	2.8	7.C	C.C	T 19.6	R 05.4		A 0.65	A 330
			2.C		R 05.6		A 0.70	A 330
			4.C		R 05.8		A 0.70	A 330
			6.C		R 05.8		A 0.55	A 320
			7.C		R 05.8		A 0.40	A 330
17/10/69	4.2	8.C	C.C		R 06.5		A 0.40	A 330
			2.C		R 06.7		A 0.44	A 320
			4.C		R 06.9		A 0.45	A 310
			6.C		R 07.0		A 0.37	A 310
			7.C		R 07.0		A 0.31	A 300
17/10/69	5.4	8.C	C.C	T 19.2	R 07.0		A 0.65	A 340
			2.C		R 07.3		A 0.11	A 340
			4.C		R 07.5		A 0.10	A 310
			6.C		R 07.5		A 0.03	A 320
			8.C		R 07.5		A 0.03	A 330
17/10/69	6.1	7.C	C.C	T 18.6	R 05.7		A 0.42	A 120
			2.C		R 06.6		A 0.38	A 120
			4.C		R 07.1		A 0.24	A 120
			6.C		R 07.4		A 0.13	A 120
			7.C		R 07.5		A 0.10	A 120
17/10/69	6.7	7.C	C.C	T 19.3	R 05.7		A 0.58	A 120
			2.C		R 06.1		A 0.58	A 150
			4.C		R 06.7		A 0.43	A 130
			6.C		R 07.1		A 0.26	A 130
			7.C		R 07.2		A 0.25	A 140
17/10/69	7.7	7.C	C.C		R 04.3		A 0.80	A 130
			2.C		R 05.3		A 0.75	A 130
			4.C		R 05.7		A 0.60	A 140
			6.C		R 05.9		A 0.42	A 150
			7.C		R 05.9		A 0.32	A 150

(CONTINUED)

STATION P(4.9)C (CONTINUED)

LATITUDE 37DEGREES 31.5MINUTES NORTH, LONGITUDE 76DEGREES 52.2MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	8.7	7.0	C.C	T 19.4	R 04.2		A 0.80	A 140
			2.C		R 04.3		A 0.75	A 130
			4.C		R 04.9		A 0.55	A 140
			6.C		R 05.0		A 0.39	A 140
			7.C		R 05.1		A 0.29	A 150
17/10/69	9.9	7.0	C.C	T 19.6	R 03.7		A 0.55	A 130
			2.C		R 03.7		A 0.55	A 130
			4.C		R 04.0		A 0.44	A 130
			6.C		R 03.8		A 0.30	A 130
			7.C		R 03.7		A 0.19	A 140

STATION P(2.7)A

LATITUDE 37DEGREES 32.5MINUTES NORTH, LONGITUDE 76DEGREES 50.0MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.5	5.0	C.C	H 19.5	R 06.7		Y 0.81	Y 060
			2.C	F 19.6	R 06.8		Y 0.63	Y 060
			4.C	F 19.6	R 07.0		Y 0.50	Y 060
16/10/69	9.5	6.0	C.C	H 19.6	R 05.5		Y 0.63	Y 070
			2.C	H 19.6	R 06.0		Y 0.41	Y 070
			4.C	H 19.6	R 06.2		Y 0.13	Y 070
			5.C	F 19.6	R 06.2		Y 0.75	Y 070
16/10/69	10.5	6.0	C.C	F 19.7	R 04.9		Y 0.30	Y 070
			2.C	F 19.6	R 05.3		Y 0.14	Y 080
			4.C	F 19.6	R 05.8		Y 0.03	Y 360
			5.C	H 19.6	R 06.0		Y 0.10	Y 270
16/10/69	11.5	6.0	C.C	F 19.8	R 05.3		Y 0.13	Y 290
			2.C	F 19.8	R 05.6		Y 0.30	Y 280
			4.C	F 19.8	R 06.2		Y 0.41	Y 240
			5.C	F 19.8	R 06.6		Y 0.31	Y 230
16/10/69	12.5	7.0	C.C	H 19.6	R 06.0		Y 0.50	Y 360
			2.C	F 19.6	R 06.7		Y 0.63	Y 250
			4.C	F 19.6	R 07.1		Y 0.56	Y 250
			6.C	F 19.6	R 07.1		Y 0.31	Y 240
16/10/69	13.5	7.0	C.C	F 19.9	R 08.0		Y 0.87	Y 240
			2.C	H 19.8	R 08.3		Y 0.88	Y 250
			4.C	F 19.8	R 08.3		Y 0.63	Y 250
			6.C	F 19.8	R 08.3		Y 0.48	Y 250
16/10/69	14.5	7.0	C.C	F 19.8	R 09.8		Y 0.83	Y 240
			2.C	F 19.8	R 09.7		Y 0.75	Y 250
			4.C	F 19.8	R 09.8		Y 0.56	Y 250
			6.C	F 19.8	R 09.8		Y 0.48	Y 250
16/10/69	15.5	7.0	C.C	H 19.7	R 10.7		Y 0.75	Y 240
			2.C	F 19.7	R 10.8		Y 0.69	Y 240
			4.C	H 19.6	R 10.8		Y 0.56	Y 250
			6.C	H 19.6	R 10.8		Y 0.38	Y 260
16/10/69	16.5	7.0	C.C	F 19.6	R 11.1		Y 0.45	Y 240
			2.C	F 19.6	R 11.2		Y 0.40	Y 230
			4.C	F 19.5	R 11.2		Y 0.33	Y 240
			6.C	H 19.5	R 11.3		Y 0.20	Y 240

(CONTINUED)

STATION P(2.7)A (CONTINUED)

LATITUDE 37DEGREES 32.5MINUTES NORTH, LONGITUDE 76DEGREES 50.0MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	17.5	6.0	C.C	H 19.5	R 08.7		Y 0.25	Y 070
			2.C	H 19.6	R 10.9		Y 0.05	Y 060
			4.C	H 19.5	R 11.2		Y 0.08	Y 040
			5.C	H 19.5	R 11.3		Y 0.09	Y 030
16/10/69	18.5	7.0	C.C	H 19.5	R 09.4		Y 0.55	Y 080
			2.C	H 19.5	R 10.9		Y 0.46	Y 070
			4.C	H 19.5	R 11.0		Y 0.38	Y 070
			6.C	H 19.5	R 11.0		Y 0.30	Y 060
16/10/69	19.5	6.0	C.C	H 19.5	R 08.7		Y 1.00	Y 060
			2.C	H 19.6	R 09.7		Y 0.68	Y 060
			4.C	H 19.7	R 10.3		Y 0.60	Y 060
			5.C	H 19.7	R 10.4		Y 0.48	Y 060
16/10/69	20.5	6.0	C.C	H 19.7	R 08.8		Y 0.10	Y 060
			2.C	H 19.7	R 09.1		Y 0.70	Y 070
			4.C	H 19.7	R 09.3		Y 0.60	Y 070
			5.C	H 19.8	R 09.3		Y 0.43	Y 060
16/10/69	21.5	5.0	C.C	H 19.7	R 07.8		Y 0.73	Y 070
			2.C	H 19.7	R 07.9		Y 0.65	Y 070
			4.C	H 19.7	R 07.9		Y 0.58	Y 070
			5.C	H 19.7	R 07.9		Y 0.46	Y 060
16/10/69	22.5	5.0	C.C	H 19.6	R 06.9		Y 0.63	Y 070
			2.C	H 19.6	R 07.0		Y 0.55	Y 070
			4.C	H 19.7	R 07.0		Y 0.45	Y 070
			5.C	H 19.7	R 07.0		Y 0.30	Y 070
16/10/69	23.5	5.0	C.C	H 19.5	R 06.0		Y 0.55	Y 070
			2.C	H 19.6	R 06.6		Y 0.32	Y 070
			4.C	H 19.6	R 06.6		Y 0.15	Y 070
			5.C	H 19.7	R 06.6		Y 0.09	Y 070
17/10/69	0.5	5.0	C.C	H 19.5	R 05.5		Y 0.23	Y 070
			2.C	H 19.6	R 05.9		Y 0.03	Y 070
			4.C	H 19.7	R 06.4		Y 0.15	Y 260
			5.C	H 19.7	R 06.8		Y 0.14	Y 260
17/10/69	1.5	6.0	C.C	H 19.4	R 05.6		Y 0.16	Y 270
			2.C	H 19.5	R 06.0		Y 0.28	Y 260
			4.C	H 19.6	R 06.5		Y 0.38	Y 250
			5.C	H 19.5	R 06.6		Y 0.25	Y 230

(CONTINUED)

STATION P(2.7)A (CONTINUED)

LATITUDE 37DEGREES 32.5MINUTES NORTH, LONGITUDE 76DEGREES 50.0MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	2.5	6.0	C.C	H 19.5	R 06.4		Y 0.48	Y 240
			2.C	H 19.6	R 07.1		Y 0.55	Y 250
			4.C	H 19.7	R 07.5		Y 0.43	Y 250
			5.C	H 19.7	R 07.6		Y 0.35	Y 250
17/10/69	3.5	6.0	C.C	H 19.4	R 07.6		Y 0.60	Y 250
			2.C	H 19.6	R 08.1		Y 0.53	Y 250
			4.C	H 19.6	R 08.3		Y 0.45	Y 250
			5.C	H 19.6	R 08.4		Y 0.35	Y 250
17/10/69	4.5	6.0	C.C	H 19.3	R 08.2		Y 0.41	Y 240
			2.C	H 19.6	R 08.8		Y 0.36	Y 240
			4.C	H 19.6	R 09.2		Y 0.26	Y 250
			5.C	H 19.6	R 09.2		Y 0.19	Y 260
17/10/69	5.5	6.0	C.C	H 19.2	R 08.3		Y 0.50	Y 070
			2.C	H 19.5	R 08.5		Y 0.09	Y 120
			4.C	H 19.5	R 09.6		Y 0.05	Y 040
17/10/69	6.6	6.0	C.C	H 19.0	R 07.4		Y 0.45	Y 070
			2.C	H 19.5	R 08.7		Y 0.40	Y 070
			4.C	H 19.6	R 09.1		Y 0.25	Y 060
17/10/69	7.6	6.0	C.C	H 19.2	R 06.9		Y 0.45	Y 070
			2.C	H 19.4	R 07.8		Y 0.60	Y 070
			4.C	H 19.5	R 08.1		Y 0.40	Y 060
17/10/69	8.5	6.0	C.C	H 19.0	R 06.6		Y 0.43	Y 060
			2.C	H 19.4	R 06.9		Y 0.60	Y 070
			4.C	H 19.4	R 07.2		Y 0.40	Y 060
17/10/69	9.5	6.0	C.C	H 19.0	R 05.6		Y 0.80	Y 070
			2.C	H 19.3	R 05.8		Y 0.45	Y 080
			4.C	H 19.4	R 06.4		Y 0.28	Y 060

STATION P(2.7)B

LATITUDE 37DEGREES 32.5MINUTES NORTH, LONGITUDE 76DEGREES 50.0MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.7	5.0	C.C	H 19.0	R 06.3		Y 0.83	Y 070
			2.C	H 19.0	R 06.7	B 4.4	Y 0.60	Y 070
			4.C	H 19.0	R 06.8		Y 0.75	Y 070
			5.C	H 19.0	R 06.9		Y 0.25	Y 060
16/10/69	9.6	6.0	C.C	H 19.1	R 05.3		Y 0.55	Y 080
			2.C	H 19.4	R 05.7	B 5.2	Y 0.39	Y 070
			4.C	H 19.6	R 06.1		Y 0.21	Y 070
			5.C	H 19.6	R 06.3		Y 0.11	Y 070
16/10/69	10.6	6.0	C.C	H 19.3	R 04.9		Y 0.20	Y 100
			2.C	H 19.4	R 05.4	B 5.2	Y 0.10	Y 090
			4.C	H 19.6	R 06.0		Y 0.12	Y 230
			5.C	H 19.6	R 06.1		Y 0.13	Y 240
16/10/69	11.6	7.0	C.C	H 19.6	R 05.6		Y 0.25	Y 270
			2.C	H 19.6	R 05.8	B 5.1	Y 0.30	Y 260
			4.C	H 19.5	R 06.7		Y 0.38	Y 260
			6.C	H 19.5	R 06.9		Y 0.25	Y 250
16/10/69	12.6	7.0	C.C	H 19.2	R 06.6		Y 0.56	Y 260
			2.C	H 19.5	R 06.0	B 5.2	Y 0.63	Y 250
			4.C	H 19.6	R 06.0		Y 0.50	Y 250
			6.C	H 19.6	R 07.2		Y 0.33	Y 260
16/10/69	13.6	7.0	C.C	H 19.5	R 08.4		Y 0.39	Y 240
			2.C	H 19.7	R 08.6	B 5.1	Y 0.81	Y 240
			4.C	H 19.7	R 08.6		Y 0.51	Y 250
			6.C	H 19.7	R 08.5		Y 0.45	Y 260
16/10/69	14.7	7.0	C.C	H 19.6	R 09.8		Y 0.94	Y 240
			2.C	H 19.6	R 10.0		Y 0.75	Y 240
			4.C	H 19.6	R 10.0		Y 0.75	Y 250
			6.C	H 19.6	R 10.0		Y 0.56	Y 250
16/10/69	15.6	7.0	C.C	H 19.6	R 10.7		Y 0.81	Y 250
			2.C	H 19.6	R 10.8	B 5.9	Y 0.63	Y 240
			4.C	H 19.6	R 10.8		Y 0.56	Y 250
			6.C	H 19.6	R 10.8		Y 0.33	Y 240
16/10/69	16.6	7.0	C.C	H 19.2	R 10.7		Y 0.26	Y 220
			2.C	H 19.6	R 11.0	B 5.9	Y 0.38	Y 230
			4.C	H 19.6	R 11.1		Y 0.26	Y 230
			6.C	H 19.6	R 11.1		Y 0.18	Y 240

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STATION P(2.7)B (CONTINUED)

LATITUDE 37DEGREES 32.5MINUTES NORTH, LONGITUDE 76DEGREES 50.0MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	17.7	7.0	C.C	F 19.5	R 08.6		Y 0.27	Y 070
			2.C	F 19.5	R 10.8	B 6.1	Y 0.10	Y 090
			4.C	F 19.5	R 11.3		Y 0.13	Y 080
			6.C	F 19.5	R 11.3		Y 0.09	Y 060
16/10/69	18.7	7.0	C.C	F 19.3	R 08.9		Y 0.60	Y 080
			2.C	F 19.6	R 10.5	B 6.2	Y 0.55	Y 070
			4.C	F 19.6	R 10.5		Y 0.45	Y 070
			6.C	F 19.6	R 10.5		Y 0.24	Y 060
16/10/69	19.7	7.0	C.C	F 19.4	R 09.0		Y 0.10	Y 060
			2.C	F 19.7	R 10.1	B 5.0	Y 0.70	Y 060
			4.C	F 19.7	R 10.3		Y 0.60	Y 060
			6.C	F 19.7	R 10.3		Y 0.46	Y 060
16/10/69	20.7	6.0	C.C	F 19.6	R 09.2		Y 0.93	Y 060
			2.C	F 19.7	R 08.9	B 4.7	Y 0.63	Y 070
			4.C	F 19.8	R 09.3		Y 0.53	Y 070
			5.C	F 19.8	R 09.3		Y 0.35	Y 060
16/10/69	21.6	5.0	C.C	F 19.7	R 07.6		Y 0.42	Y 070
			2.C	F 19.7	R 07.7	B 4.2	Y 0.58	Y 070
			4.C	F 19.7	R 07.8		Y 0.39	Y 070
			5.C	F 19.7	R 07.9		Y 0.33	Y 060
16/10/69	22.6	5.0	C.C	F 19.5	R 06.6		Y 0.70	Y 070
			2.C	F 19.6	R 06.9	B 4.5	Y 0.58	Y 070
			4.C	F 19.7	R 07.1		Y 0.35	Y 070
			5.C	F 19.7	R 07.1		Y 0.21	Y 070
16/10/69	23.6	6.0	C.C	F 19.5	R 05.9		Y 0.50	Y 070
			2.C	F 19.6	R 06.2	B 4.7	Y 0.30	Y 070
			4.C	F 19.6	R 06.6		Y 0.15	Y 070
			5.C	F 19.7	R 06.7		Y 0.06	Y 060
17/10/69	0.6	6.0	C.C	F 19.4	R 05.5		Y 0.16	Y 070
			2.C	F 19.6	R 06.1	B 4.8	Y 0.05	Y 330
			4.C	F 19.6	R 06.4		Y 0.09	Y 280
			5.C	F 19.6	R 06.6		Y 0.06	Y 260
17/10/69	1.6	6.0	C.C	F 19.3	R 06.0		Y 0.23	Y 230
			2.C	F 19.5	R 06.1	B 5.0	Y 0.38	Y 250
			4.C	F 19.5	R 06.8		Y 0.35	Y 240
			5.C	F 19.5	R 06.9		Y 0.28	Y 240

(CONTINUED)

STATION P(2.7)B (CONTINUED)

LATITUDE 37DEGREES 32.5MINUTES NORTH, LONGITUDE 76DEGREES 50.0MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DATE-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	2.7	6.0	C.C	H 19.3	R 06.5		Y 0.49	Y 260
			2.C	F 19.6	R 07.0		Y 0.53	Y 240
			4.C	F 19.6	R 07.9		Y 0.43	Y 240
			5.C	F 19.6	R 07.9		Y 0.33	Y 250
17/10/69	3.7	6.0	C.C	F 19.2	R 07.6		Y 0.58	Y 250
			2.C	F 19.5	R 08.0		Y 0.60	Y 240
			4.C	F 19.6	R 08.6		Y 0.45	Y 240
			5.C	F 19.6	R 08.6		Y 0.33	Y 250
17/10/69	4.5	6.0	C.C	H 19.2	R 08.1		Y 0.29	Y 250
			2.C	F 19.6	R 08.7	B 4.6	Y 0.39	Y 240
			4.C	F 19.6	R 09.3		Y 0.27	Y 250
			5.C	F 19.6	R 09.4		Y 0.22	Y 260
17/10/69	5.9	7.0	C.C	F 18.3	R 08.2		Y 0.20	Y 060
			2.C	F 19.4	R 08.8	B 4.1	Y 0.16	Y 080
			4.C	F 19.5	R 09.4		Y 0.11	Y 050
			6.C	F 19.5	R 09.4		Y 0.07	Y 060
17/10/69	6.7	7.0	C.C	H 18.1	R 07.6		Y 0.50	Y 070
			2.C	F 19.1	R 08.4	B 4.0	Y 0.40	Y 060
			4.C	F 19.4	R 08.9		Y 0.33	Y 060
			6.C	F 19.5	R 09.0		Y 0.33	Y 050
17/10/69	7.7	6.0	C.C	F 18.7	R 06.8		Y 0.43	Y 060
			2.C	F 19.3	R 07.6	B 4.4	Y 0.50	Y 070
			4.C	F 19.5	R 08.2		Y 0.38	Y 060
17/10/69	8.7	6.0	C.C	F 18.9	R 06.2		Y 0.40	Y 070
			2.C	F 19.3	R 06.5	B 4.7	Y 0.55	Y 070
			4.C	F 19.4	R 07.4		Y 0.35	Y 060
17/10/69	9.7	6.0	C.C	H 19.4	R 05.1		Y 0.70	Y 070
			2.C	F 19.4	R 05.4	B 3.7	Y 0.50	Y 070
			4.C	F 19.4	R 06.3		Y 0.30	Y 060

STATION P(2.7)C

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 49.9MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	8.9	5.0	C.C	H 19.1	R 06.1		Y 0.71	Y 080
			2.C	H 19.4	R 06.3		Y 0.69	Y 070
			4.C	H 19.5	R 06.6		Y 0.65	Y 070
16/10/69	9.7	6.0	C.C	H 19.4			Y 0.45	Y 080
			2.C	H 19.3			Y 0.23	Y 070
			4.C	H 19.4			Y 0.25	Y 060
			5.C	H 19.5			Y 0.05	Y 060
16/10/69	10.7	6.0	C.C	H 19.5	R 05.4		Y 0.05	Y 180
			2.C	H 19.5	R 05.8		Y 0.14	Y 230
			4.C	H 19.4	R 06.1		Y 0.31	Y 210
			5.C	H 19.5	R 06.3		Y 0.26	Y 210
16/10/69	11.7	7.0	C.C	H 19.4	R 05.6		Y 0.33	Y 240
			2.C	H 19.4	R 06.4		Y 0.45	Y 250
			4.C	H 19.3	R 07.1		Y 0.50	Y 240
			6.C	H 19.2	R 06.9		Y 0.35	Y 250
16/10/69	12.7	7.0	C.C	H 19.2	R 06.3		Y 0.56	Y 260
			2.C	H 19.6	R 07.2		Y 0.75	Y 250
			4.C	H 19.6	R 06.3		Y 0.63	Y 250
			6.C	H 19.6	R 06.7		Y 0.50	Y 250
16/10/69	13.7	7.0	C.C	H 19.8	R 08.4		Y 0.88	Y 240
			2.C	H 19.9	R 08.6		Y 0.75	Y 250
			4.C	H 19.8	R 08.6		Y 0.63	Y 250
			6.C	H 19.8	R 08.5		Y 0.50	Y 250
16/10/69	14.9	7.0	C.C	H 19.7	R 10.0		Y 0.81	Y 260
			2.C	H 19.7	R 10.1		Y 0.88	Y 240
			4.C	H 19.8	R 10.1		Y 0.75	Y 250
			6.C	H 19.8	R 10.2		Y 0.50	Y 240
16/10/69	15.7	7.0	C.C	H 19.5	R 09.8		Y 0.37	Y 260
			2.C	H 19.7	R 10.2		Y 0.49	Y 240
			4.C	H 19.7	R 10.8		Y 0.49	Y 240
			6.C	H 19.6	R 10.8		Y 0.40	Y 250
16/10/69	16.7	7.0	C.C	H 19.5	R 09.3		Y 0.14	Y 230
			2.C	H 19.6	R 11.0		Y 0.25	Y 240
			4.C	H 19.5	R 11.3		Y 0.23	Y 230
			6.C	H 19.5	R 11.3		Y 0.34	Y 240

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STATION P(2.7)C (CONTINUED)

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 49.9MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	17.8	7.0	C.C	H 19.4	R 09.1		Y 0.37	Y 070
			2.C	H 19.5	R 11.0		Y 0.19	Y 070
			4.C	H 19.5	R 11.2		Y 0.21	Y 060
			6.C	H 19.5	R 11.3		Y 0.13	Y 050
16/10/69	18.8	7.0	C.C	H 19.0	R 09.1		Y 0.70	Y 070
			2.C	H 19.6	R 10.4		Y 0.60	Y 070
			4.C	H 19.6	R 10.7		Y 0.48	Y 060
			6.C	H 19.6	R 10.8		Y 0.40	Y 060
16/10/69	19.8	7.0	C.C	H 19.3	R 09.1		Y 1.05	Y 060
			2.C	H 19.7	R 09.8		Y 0.70	Y 060
			4.C	H 19.7	R 10.2		Y 0.60	Y 060
			6.C	H 19.7	R 10.3		Y 0.48	Y 060
16/10/69	20.8	6.0	C.C	H 19.5	R 07.6		Y 0.93	Y 060
			2.C	H 19.7	R 08.5		Y 0.68	Y 070
			4.C	H 19.8	R 09.0		Y 0.50	Y 060
			5.C	H 19.8	R 09.0		Y 0.88	Y 060
16/10/69	21.8	6.0	C.C	H 19.5	R 07.2		Y 0.40	Y 080
			2.C	H 19.6	R 07.4		Y 0.60	Y 080
			4.C	H 19.7	R 07.6		Y 0.88	Y 070
			5.C	H 19.7	R 07.8		Y 0.31	Y 070
16/10/69	22.7	6.0	C.C	H 19.5	R 06.7		Y 0.53	Y 070
			2.C	H 19.6	R 06.8		Y 0.39	Y 070
			4.C	H 19.6	R 06.9		Y 0.50	Y 070
			5.C	H 19.6	R 06.9		Y 0.60	Y 070
16/10/69	23.7	6.0	C.C	H 19.4	R 05.9		Y 0.38	Y 070
			2.C	H 19.5	R 06.1		Y 0.18	Y 070
			4.C	H 19.6	R 06.4		Y 0.03	Y 040
			5.C	H 19.6	R 06.6		Y 0.03	Y 240
17/10/69	0.8	5.0	C.C	H 19.3	R 05.5		Y 0.09	Y 070
			2.C	H 19.5	R 05.9		Y 0.05	Y 320
			4.C	H 19.5	R 06.4		Y 0.15	Y 250
			5.C	H 19.6	R 06.6		Y 0.13	Y 240
17/10/69	1.8	6.0	C.C	H 19.3	R 05.8		Y 0.28	Y 230
			2.C	H 19.5	R 06.7		Y 0.50	Y 250
			4.C	H 19.6	R 07.2		Y 0.45	Y 250
			6.C	H 19.6	R 07.3		Y 0.25	Y 250

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STATION P(2.7)C (CONTINUED)

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 49.9MINUTES WEST

TRANSECT OCCUPIED 16/10/69 800 HRS TO 17/10/69 900HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	2.8	6.0	C.C	F 19.4	R 06.8		Y 0.50	Y 250
			2.C	F 19.5	R 07.2		Y 0.55	Y 250
			4.C	F 19.6	R 07.2		Y 0.50	Y 250
			5.C	F 19.6	R 08.1		Y 0.53	Y 250
17/10/69	3.7	6.0	C.C	F 19.1	R 07.6		Y 0.48	Y 240
			2.C	F 19.5	R 07.9		Y 0.45	Y 240
			4.C	F 19.6	R 08.0		Y 0.46	Y 250
			5.C	F 19.6	R 08.9		Y 0.40	Y 240
17/10/69	4.7	6.0	C.C	F 19.1	R 08.2		Y 0.23	Y 270
			2.C	F 19.5	R 09.2		Y 0.23	Y 250
			4.C	F 19.6	R 09.4		Y 0.16	Y 240
			5.C	F 19.6	R 09.4		Y 0.12	Y 240
17/10/69	6.7	7.0	C.C	F 19.1	R 07.5		Y 0.38	Y 090
			2.C	F 19.2	R 08.2		Y 0.33	Y 070
			4.C	F 19.5	R 08.8		Y 0.23	Y 070
			5.C	F 19.5	R 09.3		Y 0.19	Y 070
17/10/69	7.0	6.0	C.C	F 18.9	R 07.8		Y 0.55	Y 070
			2.C	F 19.3	R 07.9		Y 0.45	Y 070
			4.C	F 19.5	R 08.6		Y 0.30	Y 060
			5.C	F 19.5	R 08.8		Y 0.23	Y 060
17/10/69	7.9	6.0	C.C	F 18.8	R 06.3		Y 0.44	Y 070
			2.C	F 19.3	R 07.3		Y 0.60	Y 060
			4.C	F 19.5	R 08.0		Y 0.41	Y 060
			5.C	F 19.5	R 08.1		Y 0.41	Y 060
17/10/69	8.8	6.0	C.C	F 18.8	R 05.6		Y 0.73	Y 070
			2.C	F 19.3	R 06.4		Y 0.55	Y 070
			4.C	F 19.4	R 07.2		Y 0.40	Y 060
			5.C	F 19.5	R 07.3		Y 0.30	Y 060
17/10/69	9.8	6.0	C.C	F 19.0	R 04.1		Y 0.61	Y 070
			2.C	F 19.3	R 05.1		Y 0.45	Y 080
			4.C	F 19.4	R 06.3		Y 0.29	Y 060
			5.C	F 19.4	R 06.4		Y 0.18	Y 060

STATION P(0.9)A

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 48.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.0	6.C	C.C	J 19.9	R 08.2		C 0.65	C 350
			2.C	J 19.9	R 08.5	B 5.2	C 0.65	C 350
			4.C	J 19.1	R 10.0		C 0.65	C 350
			6.C	J 19.1	R 10.0	B 5.8	C 0.43	C 350
17/10/69	15.0	6.C	C.C	J 19.5	R 10.3		C 0.65	C 360
			2.C	J 19.5	R 10.3	B 5.9	C 0.65	C 350
			4.C	J 19.5	R 10.7		C 0.55	C 350
			6.C	J 19.5	R 10.7	B 5.7	C 0.55	C 350
17/10/69	16.0	6.C	C.C	J 19.1	R 10.7		C 0.55	C 360
			2.C	J 19.3	R 10.6	B 6.5	C 0.65	C 350
			4.C	J 19.4	R 10.9		C 0.55	C 350
			6.C	J 19.5	R 10.8	B 6.7	C 0.36	C 350
17/10/69	17.0	6.C	C.C	J 19.8	R 10.6		C 0.23	C 360
			2.C	J 19.8	R 11.6	B 5.7	C 0.26	C 350
			4.C	J 19.5	R 11.9		C 0.27	C 350
			6.C	J 19.5	R 11.8	B 6.5	C 0.21	C 350
17/10/69	18.0	5.C	C.C	J 19.5	R 11.1	B 6.1	C 0.16	C 150
			2.C	J 19.4	R 11.3		C 0.07	C 160
			4.C	J 19.4	R 12.3		C 0.02	C 170
			5.C		R 12.5	B 5.5		
17/10/69	19.0	5.C	C.C	J 19.2	R 11.3		C 0.47	C 160
			2.C	J 19.4	R 11.3	B 6.2	C 0.41	C 160
			4.C		R 12.1	B 6.3	C 0.22	C 170
17/10/69	20.0	5.C	C.C	J 19.4	R 09.9		C 0.75	C 170
			2.C	J 19.4	R 10.9	B 5.9	C 0.60	C 180
			4.C	J 19.4	R 11.5	B 6.0	C 0.35	C 160
17/10/69	21.0	5.C	C.C	J 19.1	R 10.0		C 0.75	C 170
			2.C	J 19.3	R 10.2	B 5.1	C 0.60	C 170
			4.C	J 19.3	R 10.6	B 6.8	C 0.35	C 170
17/10/69	22.0	5.C	C.C	J 19.2	R 09.4		C 0.70	C 160
			2.C	J 19.2	R 09.5	B 5.3	C 0.60	C 170
			4.C	J 19.2	R 09.6	B 5.3	C 0.32	C 170
17/10/69	23.0	5.C	C.C	J 19.2	R 06.8		C 0.58	C 160
			2.C	J 19.2	R 08.6	B 4.9	C 0.42	C 170
			4.C	J 19.2	R 08.7	B 5.0	C 0.21	C 170

(CONTINUED)

STATION P(0.9)A (CONTINUED)

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 48.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	0.0	5.0	C.C	J 18.8	R 07.6		C 0.39	C 170
			2.C	J 19.1	R 07.7	B 4.8	C 0.21	C 170
			4.0	J 19.2	R 08.3	B 4.8	C 0.09	C 160
18/10/69	1.0	5.0	C.C	J 19.0	R 07.1		C 0.16	C 170
			2.C	J 19.1	R 07.3	B 4.9	C 0.01	C 180
			4.C		R 08.1	B 4.8	C 0.10	C 100
18/10/69	2.0	5.0	C.C	J 18.1	R 08.6		C 0.04	C 070
			2.C	J 19.0	R 07.1	B 4.6	C 0.17	C 020
			4.C	J 19.3	R 07.3	B 4.8	C 0.16	C 360
18/10/69	3.0	6.0	C.C	J 18.0	R 06.8		C 0.36	C 360
			2.C	J 19.1	R 08.0	B 4.4	C 0.50	C 360
			4.C	J 19.1	R 09.4	B 4.6	C 0.45	C 350
18/10/69	4.0	6.0	C.C	J 18.2	R 08.0		C 0.60	C 360
			2.C	J 18.7	R 09.2	B 5.1	C 0.58	C 350
			4.C	J 18.8	R 10.0		C 0.40	C 350
18/10/69	5.0	6.0	C.C	J 18.1	R 09.7		C 0.44	C 350
			2.C	J 18.8	R 10.2	B 5.4	C 0.39	C 350
			4.C	J 18.9	R 10.7		C 0.33	C 350
18/10/69	6.0	5.0	C.C	J 19.0	R 10.7	B 5.6	C 0.21	C 360
			2.C	J 18.6	R 10.7		C 0.13	C 320
			4.C	J 19.0	R 11.1	B 5.7	C 0.19	C 360
18/10/69	7.0	5.0	C.C	J 18.6	R 10.7		C 0.17	C 150
			2.C	J 19.0	R 10.9	B 5.5	C 0.12	C 170
			4.C	J 19.1	R 10.4	B 5.8	C 0.10	C 180
18/10/69	8.0	5.0	C.C	J 18.2	R 09.4		C 0.16	C 170
			2.C	J 18.6	R 10.2	B 5.3	C 0.38	C 160
			4.C	J 18.9	R 11.0	B 5.6	C 0.14	C 170
18/10/69	9.0	5.0	C.C	J 18.4	R 08.0		C 0.85	C 160
			2.C	J 18.7	R 10.1	B 5.5	C 0.53	C 160
			4.C	J 18.8	R 10.7	B 5.8	C 0.24	C 160

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STATION P(0.9)A (CONTINUED)

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 48.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	10.0	5.0	C.C	J 18.6	R 07.9		C 0.82	C 160
			2.C	J 18.7	R 08.5	B 5.0	C 0.51	C 170
			4.C	J 18.7	R 09.6	B 4.9	C 0.21	C 170
18/10/69	11.0	5.0	C.C	J 18.8	R 07.2		C 0.68	C 160
			2.C	J 18.8	R 07.6	B 5.4	C 0.50	C 160
			4.C	J 18.9	R 08.4	B 4.6	C 0.20	C 170
18/10/69	12.0	5.0	C.C	J 18.9	R 06.7		C 0.54	C 150
			2.C	J 18.9	R 07.1	B 5.7	C 0.31	C 170
			4.C	J 18.9	R 07.6	B 4.9	C 0.10	C 160
18/10/69	13.0	5.0	C.C	J 19.0	R 05.7		C 0.35	C 160
			2.C	J 18.9	R 06.6	B 5.5	C 0.03	C 220
			4.C	J 18.9	R 07.4	B 5.1	C 0.11	C 350

STATION P(0.9)B

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 48.6MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MO-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.2	6.0	C.C	J 19.1	R 09.5		C 0.75	C 030
			2.C	J 19.2	R 09.3	B 5.7	C 0.75	C 360
			4.C	J 19.6	R 10.4		C 0.75	C 350
			6.C	J 19.6	R 10.4	B 5.6	C 0.65	C 350
17/10/69	15.2	6.0	C.C	J 19.0	R 10.7		C 0.75	C 350
			2.C	J 19.4	R 10.8	B 6.5	C 0.75	C 350
			4.C	J 19.4	R 10.9		C 0.65	C 350
			6.C	J 19.5	R 10.6	B 6.6	C 0.65	C 350
17/10/69	16.2	6.0	C.C	J 19.2	R 11.1		C 0.55	C 040
			2.C	J 19.4	R 11.1	B 6.5	C 0.55	C 360
			4.C	J 19.4	R 11.4		C 0.55	C 350
			6.C	J 19.4	R 11.7	B 6.1	C 0.42	C 350
17/10/69	17.1	6.0	C.C	J 19.2	R 11.0		C 0.20	C 020
			2.C	J 19.2	R 11.4	B 6.7	C 0.22	C 020
			4.C	J 19.4	R 11.7		C 0.22	C 350
			6.C	J 19.4	R 12.2	B 6.3	C 0.29	C 350
17/10/69	18.2	6.0	C.C	J 19.0	R 11.3		C 0.11	C 160
			2.C	J 19.2	R 11.5	B 7.2	C 0.03	C 160
			4.C	J 19.3	R 12.1		C 0.01	C 340
			5.C			B 6.4		
			6.C	J 19.4	R 12.5		C 0.00	C 210
17/10/69	19.2	5.0	C.C	J 19.2	R 11.0		C 0.50	C 160
			2.C	J 19.4	R 11.2	B 6.3	C 0.04	C 170
			4.C	J 19.4	R 12.0	B 6.4	C 0.20	C 170
17/10/69	20.2	5.0	C.C	J 19.3	R 09.3		C 0.75	C 170
			2.C	J 19.4	R 10.9	B 5.9	C 0.55	C 170
			4.C	J 19.4	R 11.6	B 6.2	C 0.35	C 170
17/10/69	21.2	5.0	C.C	J 18.7	R 09.7		C 0.85	C 170
			2.C	J 19.2	R 10.0	B 6.9	C 0.68	C 170
			4.C	J 19.4	R 10.5	B 5.8	C 0.40	C 170
17/10/69	22.2	5.0	C.C	J 19.0	R 09.3		C 0.70	C 170
			2.C	J 19.2	R 09.4	B 5.2	C 0.60	C 170
			4.C	J 19.3	R 09.6	B 5.1	C 0.31	C 160
17/10/69	23.2	5.0	C.C	J 18.9	R 08.2		C 0.60	C 160
			2.C	J 19.2	R 08.4	B 4.7	C 0.41	C 170
			4.C	J 19.3	R 08.8	B 4.7	C 0.20	C 160

(CONTINUED)

STATION P(0.9)B (CONTINUED)

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 48.6MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	0.2	5.0	C.C	J 18.9	R 07.4		C 0.41	C 160
			2.C	J 19.2	R 07.8	B 4.7	C 0.19	C 160
			4.C	J 19.2	R 08.3	B 4.7	C 0.05	C 160
18/10/69	1.2	5.0	C.C	J 18.9	R 07.0		C 0.13	C 170
			2.C	J 19.1	R 07.4	B 4.7	C 0.03	C 200
			4.C	J 19.2	R 07.9	B 4.9	C 0.09	C 360
18/10/69	2.2	5.0	C.C	J 18.7	R 08.2		C 0.14	C 350
			2.C	J 19.1	R 07.1	B 4.6	C 0.20	C 360
			4.C	J 19.2	R 07.3	B 4.8	C 0.25	C 350
18/10/69	3.2	6.0	C.C	J 18.5	R 07.5		C 0.39	C 360
			2.C	J 19.1	R 07.6	B 4.8	C 0.58	C 350
			4.C	J 19.1	R 08.9		C 0.58	C 360
			5.C			B 4.7		
			6.C		R 09.8			
18/10/69	4.2	6.0	C.C	J 18.3	R 08.8		C 0.60	C 360
			2.C	J 18.6	R 09.1	B 5.0	C 0.58	C 350
			4.C	J 18.7	R 09.7		C 0.55	C 340
			6.C		R 10.4		C 0.40	C 350
18/10/69	5.2	6.0	C.C	J 18.3	R 10.1		C 0.43	C 360
			2.C	J 18.7	R 10.5	B 5.6	C 0.43	C 360
			4.C	J 18.8	R 11.1		C 0.37	C 360
			5.C			B 5.9		
			6.C	J 18.9	R 09.9		C 0.24	C 360
18/10/69	6.2	5.0	C.C	J 18.7	R 10.4		C 0.16	C 360
			2.C	J 18.7	R 10.5	B 5.9	C 0.20	C 350
			4.C	J 18.9	R 11.3		C 0.12	C 330
			4.7			B 5.7		
18/10/69	7.2	5.0	C.C	J 17.5	R 09.8		C 0.17	C 160
			2.C	J 18.3	R 10.7	B 5.7	C 0.17	C 180
			4.C	J 18.8	R 11.3		C 0.11	C 170
			4.4			B 5.9		
18/10/69	8.2	5.0	C.C	J 18.4	R 08.6		C 0.61	C 160
			2.C	J 18.7	R 10.0	B 5.4	C 0.33	C 160
			4.C	J 18.7	R 11.1		C 0.17	C 160
			4.5			B 5.9		

(CONTINUED)

STATION P(0.9)B (CONTINUED)

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 48.6MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DATE-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
16/10/69	9.2	5.0	C.C	J 18.2	R 08.2		C 0.91	C 170
			2.C	J 18.6	R 08.2	B 5.3	C 0.53	C 160
			4.C	J 18.7	R 10.7	B 5.3	C 0.26	C 160
18/10/69	10.2	5.0	C.C	J 18.6	R 07.6		C 0.83	C 150
			2.C	J 18.8	R 08.8	B 4.6	C 0.48	C 160
			4.C	J 18.8	R 09.8	B 5.1	C 0.22	C 170
18/10/69	11.2	5.0	C.C	J 18.9	R 07.0		C 0.70	C 160
			2.C	J 18.8	R 07.7	B 5.8	C 0.41	C 160
			4.C	J 18.9	R 08.5	B 4.9	C 0.18	C 170
16/10/69	12.2	5.0	C.C	J 18.9	R 06.2		C 0.53	C 160
			2.C	J 18.9		B 5.1	C 0.24	C 150
			4.C	J 18.9	R 07.6	B 5.0	C 0.03	C 170
18/10/69	13.2	5.0	C.C	J 19.1	R 05.8		C 0.23	C 170
			2.C	J 18.9	R 06.5	B 5.2	C 0.03	C 230
			4.C	J 18.9	R 06.8	B 5.5	C 0.15	C 150

STATION P(0.9)C

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 48.7MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.2	6.0	C.C	J 19.5	R 08.8		C 0.65	C 350
			2.C	J 19.5	R 09.5	B 6.0	C 0.75	C 350
			4.C	J 19.5	R 10.5		C 0.65	C 350
			6.C	J 19.5	R 10.8		C 0.55	C 350
17/10/69	15.4	6.0	C.C	J 19.4	R 10.5		C 0.55	C 360
			2.C	J 19.5	R 10.6	B 6.6	C 0.65	C 360
			4.C	J 19.5	R 11.2		C 0.65	C 350
			6.C	J 19.6	R 11.2		C 0.65	C 350
17/10/69	16.3	6.0	C.C	J 19.2	R 11.3		C 0.37	C 360
			2.C	J 19.2	R 11.3	B 6.6	C 0.41	C 360
			4.C	J 19.4	R 11.5		C 0.48	C 350
			6.C	J 19.4	R 11.9		C 0.44	C 350
17/10/69	17.4	6.0	C.C	J 19.0	R 11.4		C 0.11	C 360
			2.C	J 19.2	R 11.3	B 6.6	C 0.17	C 360
			4.C	J 19.4	R 12.4		C 0.15	C 340
			6.C	J 19.4	R 12.3		C 0.08	C 320
17/10/69	18.4	6.0	C.C	J 18.7	R 09.8		C 0.34	C 160
			2.C	J 19.0	R 11.4	B 6.7	C 0.14	C 180
			4.C	J 19.3	R 12.0		C 0.17	C 160
			5.C			B 7.1		
			6.C	J 18.4	R 12.5		C 0.04	C 170
17/10/69	19.3	5.0	C.C	J 18.9	R 11.0		C 0.50	C 170
			2.C	J 19.2	R 11.1	B 6.3	C 0.38	C 160
			4.C	J 19.3	R 11.6		C 0.34	C 180
17/10/69	20.3	5.0	C.C	J 19.1	R 09.1		C 0.70	C 170
			2.C	J 19.3	R 11.2	B 6.0	C 0.50	C 170
			4.C	J 19.4	R 11.5		C 0.35	C 160
17/10/69	21.3	5.0	C.C	J 18.8	R 09.8		C 0.80	C 180
			2.C	J 19.2	R 10.0	B 5.4	C 0.63	C 170
			4.C	J 19.3	R 10.4		C 0.43	C 160
17/10/69	22.3	5.0	C.C	J 19.0	R 09.3		C 0.65	C 170
			2.C	J 19.3	R 09.4	B 5.1	C 0.50	C 170
			4.C	J 19.3	R 09.6		C 0.33	C 160
17/10/69	23.3	5.0	C.C	J 18.9	R 08.1		C 0.60	C 170
			2.C	J 19.2	R 08.4	B 4.8	C 0.37	C 170
			4.C	J 19.3	R 08.8		C 0.22	C 160

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STATION P(0.9)C (CONTINUED)

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 48.7MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	0.3	6.0	C.C	J 19.1	R 07.5		C 0.34	C 160
			2.C	J 19.2	R 07.9	B 4.4	C 0.20	C 160
			4.C	J 19.2	R 08.1		C 0.08	C 150
			6.C		R 08.2			
18/10/69	1.3	6.0	C.C	J 18.8	R 07.1		C 0.10	C 170
			2.C	J 19.0	R 07.1	B 4.8	C 0.03	C 140
			4.C	J 19.2	R 07.7		C 0.15	C 350
			6.C		R 08.1			
18/10/69	2.3	6.0	C.C	J 18.6	R 08.1		C 0.15	C 020
			2.C	J 18.9	R 07.1	B 4.8	C 0.25	C 360
			4.C	J 19.2	R 07.5		C 0.33	C 350
			6.C		R 08.7			
18/10/69	3.4	6.0	C.C	J 19.2	R 07.8		C 0.58	C 360
			2.C	J 19.0	R 07.9	B 4.8	C 0.60	C 350
			4.C	J 18.7	R 09.5		C 0.50	C 350
			6.C	J 18.7	R 09.8		C 0.35	C 350
18/10/69	4.4	6.0	C.C	J 18.4	R 08.5		C 0.55	C 360
			2.C	J 18.4	R 08.5	B 5.0	C 0.55	C 350
			4.C	J 18.6	R 10.5		C 0.45	C 350
			6.C	J 18.6	R 10.7		C 0.35	C 350
18/10/69	5.7	6.0	C.C	J 17.3	R 09.6		C 0.05	C 020
			2.C	J 18.3	R 10.5	B 5.7	C 0.24	C 350
			4.C	J 18.8	R 11.2		C 0.13	C 350
			5.C	J 18.8			C 0.11	C 360
18/10/69	6.5	5.0	C.C	J 16.8			C 0.08	C 090
			2.C	J 18.8			C 0.04	C 010
			4.C	J 18.7			C 0.03	C 010
18/10/69	7.5	5.0	C.C	J 17.5	R 09.4		C 0.37	C 150
			2.C	J 18.2	R 10.5	B 5.7	C 0.21	C 150
			4.C	J 18.6	R 11.1		C 0.15	C 170
			5.7		R 11.3			
18/10/69	8.4	5.0	C.C	J 18.4	R 08.3		C 0.71	C 170
			2.C	J 18.6	R 10.2	B 5.4	C 0.41	C 170
			4.C	J 18.6	R 10.4		C 0.23	C 160
			5.7		R 10.7			

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STATION P(10.9)C (CONTINUED)

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 48.7MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	9.5	5.0	0.0	J 18.5	R 08.3		C 0.85	C 160
			2.0	J 18.7		B 4.1	C 0.54	C 160
			4.0	J 18.7	R 09.9		C 0.33	C 160
18/10/69	10.5	5.0	0.0	J 18.8	R 07.5		C 0.72	C 160
			2.0	J 18.8	R 08.1	B 4.8	C 0.44	C 170
			4.0	J 18.8	R 08.2		C 0.27	C 160
18/10/69	11.4	5.0	0.0	J 18.9	R 07.0		C 0.66	C 170
			2.0	J 18.9	R 07.4	B 5.2	C 0.42	C 160
			4.0	J 18.9	R 07.6		C 0.27	C 160
18/10/69	12.5	5.0	0.0	J 18.9	R 06.2		C 0.39	C 160
			2.0	J 18.9	R 06.9	B 5.2	C 0.09	C 160
			4.0	J 18.9	R 07.2		C 0.04	C 170
18/10/69	13.5	5.0	0.0	J 19.1	R 05.8		C 0.11	C 160
			2.0	J 19.0	R 06.6	B 5.6	C 0.05	C 060
			4.0	J 19.0	R 07.4		C 0.18	C 040

STATION P(0.0)A

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 48.1MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.0	7.0	C.C	0 19.6	R 08.4			B 360
			2.C	0 19.5	R 09.4	B 3.2	B 340	
			4.C	0 19.5	R 09.4		B 340	
			6.C	0 19.4	R 09.4	B 3.1	B 340	
17/10/69	15.0	7.0	C.C	0 19.6	R 09.5			B 360
			2.C	0 10.4	R 09.5	B 3.9	B 350	
			4.C	0 10.4	R 09.5		B 350	
			6.C	0 10.4	R 09.5	B 4.5	B 350	
17/10/69	16.0	7.0	C.C	0 19.4	R 09.5			B 010
			2.C	0 19.4	R 09.6	B 5.3	B 350	
			4.C	0 19.3	R 09.5		B 340	
			6.C	0 19.3	R 09.6	B 2.6	B 350	
17/10/69	18.0	7.0	C.C	0 19.2	R 09.5			B 160
			2.C	0 19.4	R 11.5	B 6.3	B 120	
			4.C	0 19.4	R 12.8		B 080	
			6.C	0 19.4	R 12.8		B 080	
17/10/69	20.0	7.0	C.C	0 19.1	R 11.3			B 150
			2.C	0 19.4	R 11.6	B 3.4	B 160	
			4.C	0 19.4	R 12.1		B 160	
			5.C	0 19.4	R 12.3	B 3.1	B 170	
17/10/69	21.2	7.0	C.C	0 19.2	R 10.5			B 150
			2.C	0 19.3	R 11.0	B 2.9	B 160	
			4.C	0 19.4	R 11.4		B 150	
			6.C	0 19.4	R 11.5	B 2.9	B 160	
17/10/69	22.2	7.0	C.C	0 19.1	R 09.8			B 160
			2.C	0 19.2	R 10.2	B 3.2	B 150	
			4.C	0 19.3	R 10.5		B 160	
			6.C	0 19.3	R 10.6	B 3.1	B 170	
17/10/69	23.3	7.0	C.C	0 19.2	R 09.2			B 140
			2.C	0 19.2	R 09.5	B 3.4	B 160	
			4.C	0 19.2	R 09.7		B 160	
			6.C	0 19.2	R 09.9	B 2.9	B 160	
18/10/69	0.2	7.0	C.C	0 19.2	R 08.5			B 160
			2.C	0 19.2	R 08.9	B 3.3	B 160	
			4.C	0 19.3	R 09.2		B 160	
			6.C	0 19.3	R 09.2	B 2.0	B 190	

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STATION P(0.0)A (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 48.1MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	0.7	7.0	C.C	0 18.4	R 09.7			
			2.C	0 19.1	R 08.9	B 5.7		
			4.C	0 19.1	R 11.2			
			6.C	0 19.1	R 11.2	B 6.0		
18/10/69	5.0	7.0	C.C	0 18.1	R 07.0			
			2.C	0 18.5	R 06.7	B 6.2		
			4.C	0 18.9	R 07.3			
			6.C	0 19.2	R 07.1	B 6.0		

STATION P(0.0)B

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 48.2MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.0	9.0	C.0	0 19.6	R 09.4			B 360
			2.0	0 19.4	R 09.6	B 4.0		B 360
			4.0	0 19.4	R 09.4			B 350
			6.0	0 19.3	R 09.5			B 350
			8.0	0 19.3	R 09.5			E 350
17/10/69	15.0	9.0	C.0	0 19.6	R 09.6			B 360
			2.0	0 19.3	R 09.4	B 4.4		B 350
			4.0	0 19.3	R 09.6			B 350
			6.0	0 19.3	R 09.6			B 350
			8.0	0 19.3	R 09.5			B 350
17/10/69	16.0	9.0	C.0	0 19.4	R 09.5			B 350
			2.0	0 19.4	R 09.5	B 7.0		B 350
			4.0	0 19.3	R 11.2			B 350
			6.0	0 19.3	R 11.3			B 360
			8.0	0 19.3	R 09.6			B 360
17/10/69	19.0	9.0	C.0	0 19.2	R 11.2			B 160
			2.0	0 19.3	R 11.5	B 6.0		B 160
			4.0	0 19.4	R 12.3			B 160
			6.0	0 19.4	R 12.2			B 160
			8.0	0 19.5	R 12.8			B 150
17/10/69	20.7	9.0	C.0	0 19.1	R 10.7			B 140
			2.0	0 19.3	R 10.9	B 3.1		B 150
			4.0	0 19.3	R 11.4			B 160
			6.0		R 11.4			
			8.0		R 11.4			
17/10/69	21.7	9.0	C.0	0 19.1	R 10.1			B 160
			2.0	0 19.2	R 10.3	B 3.3		B 160
			4.0	0 19.3	R 10.4			B 160
			6.0	0 19.3	R 10.5			B 170
			8.0	0 19.3	R 10.6			B 170
17/10/69	22.7	9.0	C.0	0 19.1	R 09.6			B 160
			2.0	0 19.2	R 09.6	B 3.9		B 160
			4.0	0 19.3	R 09.7			B 150
			6.0	0 19.3	R 09.8			B 160
			8.0	0 19.3	R 09.8			B 150

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STATION P(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 48.2MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	23.7	9.0	C.C	0 19.2	R 08.7			B 160
			2.C	0 19.2	R 09.0	B 3.0		B 150
			4.C	0 19.2	R 09.2			B 170
			6.C	0 19.2	R 09.3			B 160
			8.C	0 19.2	R 09.6			B 180
18/10/69	3.2	9.0	C.C	0 18.6	R 09.3			B 010
			2.C	0 18.4	R 10.1	B 4.2		B 340
			4.C	0 18.5	R 10.6			B 340
			6.C	0 18.9	R 11.3			B 330
			8.C	0 18.8	R 11.3			B 340
18/10/69	4.4	9.0	C.C	0 17.7	R 10.2			B 350
			2.C	0 18.7	R 04.8	B 6.2		B 350
			4.C	0 19.0	R 05.1			B 340
			6.C	0 19.0	R 05.7			B 350
			8.C	0 19.1	R 05.8			B 340
18/10/69	6.0	8.0	C.C	0 18.2				B 280
			2.C	0 18.3	R 09.1	B 5.9		B 270
			4.C	0 18.8				B 340
			6.C	0 19.2		B 6.2		B 020
			8.C	0 19.2				B 010
18/10/69	7.0	8.0	C.C	0 17.6				B 140
			2.C	0 18.5		B 6.0		B 170
			4.C	0 19.0				B 170
			6.C	0 19.1				B 160
			7.5	0 19.1		B 6.6		B 150
18/10/69	8.0	8.0	C.C	0 17.6				B 150
			2.C	0 18.9				B 160
			4.C	0 18.9				B 150
			6.C	0 19.1				B 150
			8.C	0 19.1	R 09.5	B 5.8		B 160
18/10/69	9.0	8.0	C.C	0 18.5	R 08.2			
			2.C	0 18.6	R 08.0	B 5.2		
			4.C	0 18.6	R 08.9			
			6.C	0 18.6	R 08.3			
			8.C	0 18.6	R 08.8	B 5.0		

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STATION P(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 48.2MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	10.0	8.C	C.C		R 09.6			
			2.C		R 09.2	B 4.6		
			4.C		R 10.3			
			6.C		R 09.3			
			8.C		R 10.3	B 5.2		
18/10/69	11.0	8.C	C.C	C 19.1	R 09.5			
			2.C	C 18.9	R 10.1	B 4.6		
			4.C	C 18.8	R 09.7			
			6.C	C 19.8	R 10.5			
			8.C	C 18.7	R 09.6	B 5.0		
18/10/69	12.0	8.C	C.C	C 19.1	R 10.8		B 0.36	B 160
			2.C	C 19.0	R 09.1		B 0.34	B 170
			4.C	C 18.9	R 10.9		B 0.16	B 150
			6.C	C 18.8	R 09.2		B 0.02	B 020
			8.C	C 18.7	R 10.8	B 4.7	B 0.68	B 350
18/10/69	13.0	8.C	C.C	C 19.2	R 09.6		B 0.23	B 160
			2.C	C 19.0	R 10.8	B 4.9	B 0.11	B 150
			4.C	C 18.9	R 09.5		B 0.08	B 360
			6.C	C 18.7	R 10.3		B 0.16	B 020
			8.C	C 18.7	R 09.1	B 4.9	B 0.17	B 360

STATION P(0.0)A

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 48.1MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.0	6.C	C.C	F 20.1	R 09.9	B 7.4	A 0.40	A 140
			2.C	F 19.0	R 10.5		A 0.26	A 130
			4.C	F 18.9	R 10.8		A 0.24	A 170
			6.C	F 18.8	R 11.1		A 0.15	A 180
21/10/69	12.0	6.C	C.C	H 19.7	R 09.7	B 7.5	A 0.65	A 160
			2.C	F 19.2	R 09.3		A 0.55	A 160
			4.C	F 19.0	R 10.6		A 0.21	A 160
			6.C	F 18.9	R 10.8		A 0.20	A 160
21/10/69	13.0	6.C	C.C	H 19.4	R 08.9	B 6.9	A 0.70	A 160
			2.C	H 19.1	R 09.3		A 0.55	A 170
			4.C	F 19.0	R 09.6		A 0.44	A 170
			6.C	F 19.0	R 09.8		A 0.29	A 160
21/10/69	14.0	6.C	C.C	F 19.4	R 07.6	B 6.7	A 0.65	A 150
			2.C	F 19.3	R 07.9		A 0.46	A 150
			4.C	H 19.1	R 08.9		A 0.35	A 170
			6.C	F 19.0	R 09.3		A 0.15	A 150
21/10/69	15.0	6.C	C.C	F 19.4	R 06.2	B 6.3	A 0.39	A 150
			2.C	F 19.4	R 07.1		A 0.17	A 160
			4.C	F 19.2	R 07.9		A 0.14	A 180
			6.C	H 19.1	R 07.3		A 0.03	A 190
21/10/69	16.0	6.C	C.C	F 19.5	R 05.6	B 1.6	A 0.13	A 180
			2.C	F 19.5	R 06.7		A 0.03	A 280
			4.C	F 19.2	R 08.1		A 0.15	A 360
			6.C	F 19.2	R 09.1		A 0.42	A 360
21/10/69	17.0	6.C	C.C	H 19.4	R 05.6	B 6.8	A 0.12	A 010
			2.C	F 19.3	R 08.0		A 0.33	A 340
			4.C	F 19.3	R 08.4		A 0.55	A 350
			6.C	F 19.1	R 09.2		A 0.44	A 330
21/10/69	18.0	7.C	C.C	F 19.4	R 07.2	B 6.2	A 0.85	A 330
			2.C	H 19.3	R 09.0		A 0.85	A 340
			4.C	F 19.2	R 09.6		A 0.80	A 340
			6.C	F 19.2	R 09.8		A 0.75	A 330
			7.C	F 19.2	R 09.8		A 0.55	A 330

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STATION P(0.0)A (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 48.1MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	19.0	8.C	C.C	H 19.2	R 08.8	B 7.0	A 0.88	A 350
			2.C	H 19.1	R 10.6		A 0.98	A 320
			4.C	H 19.0	R 10.7		A 0.93	A 320
			6.C	H 19.0	R 10.8		A 0.78	A 330
			8.C	H 19.0	R 10.7		A 0.73	A 320
21/10/69	20.0	8.C	C.C	H 19.2	R 08.8	B 6.9	A 0.58	A 030
			2.C	H 19.0	R 10.9		A 0.63	A 360
			4.C	H 19.0	R 11.5		A 0.60	A 320
			6.C	H 19.0	R 11.5		A 0.55	A 310
			8.C	H 19.0			A 0.46	A 310
21/10/69	21.0	8.C	C.C	H 19.0	R 09.3	B 7.2	A 0.25	A 360
			2.C	H 19.0	R 11.5		A 0.47	A 350
			4.C	H 18.9	R 11.9		A 0.37	A 330
			6.C	H 18.9	R 12.0		A 0.34	A 320
			8.C	H 18.9	R 12.2		A 0.31	A 330
21/10/69	22.0	7.C	C.C	H 18.7	R 09.3	B 7.1	A 0.05	A 280
			2.C	H 18.7			A 0.04	A 290
			4.C	H 18.8	R 12.0		A 0.08	A 310
			6.C	H 18.9	R 12.1		A 0.05	A 330
			7.C	H 18.9	R 12.2		A 0.02	A 030
21/10/69	23.0	7.C	C.C	H 18.6	R 09.0	B 7.1	A 0.28	A 140
			2.C	H 18.8	R 11.6		A 0.33	A 160
			4.C	H 18.9	R 12.0		A 0.28	A 160
			6.C	H 18.9	R 12.1		A 0.21	A 160
			7.C	H 18.9	R 12.3		A 0.16	A 160
22/10/69	0.0	8.C	C.C	H 18.7	R 10.4	B 6.8	A 0.68	A 140
			2.C	H 18.7	R 10.7		A 0.68	A 150
			4.C	H 18.9	R 11.5		A 0.55	A 160
			6.C	H 18.9	R 11.9		A 0.35	A 150
			7.C	H 18.9	R 12.0		A 0.28	A 140
22/10/69	1.0	7.C	C.C	H 19.1	R 10.4	B 6.5	A 0.83	A 170
			2.C	H 19.0	R 10.4		A 0.38	A 160
			4.C	H 19.0	R 10.7		A 0.68	A 150
			6.C	H 19.0	R 10.8		A 0.53	A 160
			7.C	H 19.0	R 10.8		A 0.48	A 160

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STATION P(0.0)A (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 48.1MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	FCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	2.0	7.0	C.C	H 18.7	R 09.6	B 6.3	A 0.38	A 170
			2.C	H 18.8	R 09.6		A 0.38	A 170
			4.C	H 18.8	R 09.6		A 0.35	A 160
			6.C	H 18.9	R 09.7		A 0.28	A 160
			7.C	H 18.9	R 09.8		A 0.39	A 160
22/10/69	3.0	7.0	C.C	H 18.9	R 08.9	B 5.8	A 0.60	A 150
			2.C	H 18.9	R 08.8		A 0.55	A 160
			4.C	H 19.0	R 08.9		A 0.50	A 160
			6.C	H 19.0	R 08.0		A 0.37	A 160
			7.C	H 19.0	R 08.1		A 0.21	A 160
22/10/69	4.0	7.0	C.C	H 18.8	R 07.9	B 5.5	A 0.29	A 150
			2.C	H 18.9	R 08.0		A 0.24	A 160
			4.C	H 18.9	R 08.3		A 0.10	A 170
			6.C	H 19.0	R 08.5		A 0.01	A 290
			7.C	H 19.0	R 08.6		A 0.01	A 260
22/10/69	5.0	8.0	C.C	H 18.6	R 07.5	B 5.3	A 0.00	
			2.C	H 18.9	R 07.8		A 0.05	A 360
			4.C	H 19.0	R 08.4		A 0.19	A 350
			6.C	H 19.0	R 08.7		A 0.26	A 350
			8.C	H 19.0	R 08.7		A 0.22	A 330
22/10/69	6.0	7.0	C.C	H 18.7		B 4.6	A 0.39	A 010
			2.C	H 18.9	R 09.0		A 0.03	A 330
			4.C		R 09.1			
			6.C		R 09.1			
22/10/69	7.0	7.0	C.C	H 18.7	R 08.9	B 6.3	F 0.85	A 350
			2.C	H 18.8	R 09.8			A 330
			4.C	H 18.9	R 09.9			A 330
			6.C	H 18.8	R 09.8			A 330
22/10/69	8.0	8.0	C.C	H 18.4	R 09.7	B 6.5	F 0.69	A 360
			2.C	H 18.7	R 10.7			A 320
			4.C	H 18.7	R 10.8			A 320
			6.C	H 18.7	R 10.9			A 310
			7.C	H 18.7				A 300
			8.C		R 10.8			

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STATION P(0.0)A (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 48.1MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HLUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	9.0	8.0	C.C	H 17.9	R 10.0		F 0.35	A 360
			2.C	H 18.0	R 10.7	B 6.7		A 340
			4.C	H 18.0	R 11.0			A 340
			6.C	H 18.1	R 11.0			A 350
			7.C	H 18.1				A 360
			8.C		R 11.0			
22/10/69	10.0	8.0	C.C	H 18.5	R 10.5		F 0.02	A 360
			2.C	H 18.5	R 10.6	B 6.7		A 260
			4.C	H 18.5	R 10.9			A 350
			6.C	H 18.6	R 11.1			A 360
			7.C	H 18.6				A 300
			8.C		R 11.5			
22/10/69	11.0	7.0	C.C	H 18.4	R 10.5		F 0.37	A 160
			2.C	H 18.4	R 10.5	B 7.2		A 180
			4.C	H 18.4	R 11.7			A 150
			6.C	H 18.4	R 11.9			A 200
22/10/69	12.0	7.0	C.C	H 18.7	R 10.5		F 0.69	A 140
			2.C	H 18.8	R 10.8	B 5.0		A 230
			4.C	H 18.2	R 11.2			A 170
			6.C	H 18.4	R 11.6			A 160

STATION P(0.0)B

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 48.2MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.2	4.0	C.C	H 19.2	R 10.0		A 0.47	A 150
			2.C	H 19.1	R 10.3		A 0.41	A 170
			4.C	H 18.9	R 10.6		A 0.25	A 150
21/10/69	12.2	4.0	C.C	H 19.2	R 09.7		A 0.55	A 160
			2.C	H 19.1	R 09.8		A 0.55	A 170
			4.C	H 19.1	R 09.9		A 0.32	A 170
21/10/69	13.2	4.0	C.C	H 19.3	R 08.7		A 0.65	A 150
			2.C	H 19.2	R 09.0		A 0.50	A 160
			4.C	H 19.1	R 09.2		A 0.36	A 170
21/10/69	14.2	4.0	C.C	H 19.3	R 07.2		A 0.60	A 150
			2.C	H 19.3	R 07.5		A 0.47	A 170
			4.C	H 19.3	R 07.8		A 0.33	A 160
21/10/69	15.2	4.0	C.C	H 19.3	R 06.0		A 0.38	A 150
			2.C	H 19.3	R 06.6		A 0.24	A 150
			4.C	H 19.3	R 07.3		A 0.09	A 140
21/10/69	16.2	4.0	C.C	H 19.3	R 05.3		A 0.16	A 160
			2.C	H 19.3	R 06.2		A 0.05	A 150
			4.C	H 19.2	R 08.4		A 0.29	A 350
21/10/69	17.2	4.0	C.C	H 19.3	R 05.4		A 0.19	A 330
			2.C	H 19.2	R 06.7		A 0.37	A 340
			4.C	H 19.2	R 09.2		A 0.41	A 340
21/10/69	18.4	5.0	C.C	H 19.8	R 09.4		A 0.58	A 340
			2.C	H 19.8	R 09.6		A 0.55	A 330
			4.C	H 19.3	R 10.1		A 0.55	A 320
			5.C	H 19.1	R 10.1		A 0.48	A 320
21/10/69	20.2	6.0	C.C	H 19.3	R 09.6		A 0.38	A 350
			2.C	H 19.1	R 11.1		A 0.48	A 340
			4.C	H 19.0	R 11.5		A 0.42	A 330
			6.C	H 19.0	R 11.4		A 0.32	A 320
21/10/69	21.2	6.0	C.C	H 19.7	R 09.6		A 0.14	A 070
			2.C	H 19.1	R 11.6		A 0.21	A 340
			4.C	H 19.0	R 12.1		A 0.24	A 350
			6.C	H 18.9	R 12.1		A 0.18	A 350

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STATION P(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 48.2MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DATE-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	22.3	6.0	C.C	F 19.1	R 09.3		A 0.14	A 150
			2.C	F 19.1	R 10.9		A 0.16	A 230
			4.C	F 19.0	R 12.2		A 0.02	A 150
			6.C	F 18.9	R 12.3		A 0.01	A 080
21/10/69	23.2	5.0	C.C	F 19.1	R 09.8		A 0.40	A 140
			2.C	F 19.1	R 11.7		A 0.40	A 160
			4.C	F 19.1	R 12.1		A 0.32	A 160
			5.C	F 18.9	R 12.1		A 0.26	A 160
22/10/69	0.2	5.0	C.C	F 18.9	R 10.7		A 0.65	A 140
			2.C	F 19.0	R 10.9		A 0.65	A 160
			4.C	F 19.0	R 11.2		A 0.55	A 160
			5.C	F 19.0	R 11.3		A 0.46	A 160
22/10/69	1.3	5.0	C.C	F 18.8	R 09.8		A 0.78	A 160
			2.C	F 18.8	R 10.0		A 0.68	A 170
			4.C	F 18.9	R 10.1		A 0.58	A 170
			5.C	F 18.9	R 10.1		A 0.53	A 170
22/10/69	2.2	5.0	C.C	F 18.9	R 09.8		A 0.73	A 160
			2.C	F 18.9	R 09.8		A 0.70	A 170
			4.C	F 18.9	R 09.8		A 0.58	A 160
			5.C	F 18.9	R 09.9		A 0.44	A 160
22/10/69	3.2	5.0	C.C	F 18.9	R 08.7		A 0.65	A 170
			2.C	F 18.9	R 08.7		A 0.55	A 170
			4.C	F 18.9	R 08.9		A 0.41	A 160
			5.C	F 18.9	R 09.0		A 0.36	A 160
22/10/69	4.2	5.0	C.C	F 18.8	R 07.4		A 0.30	A 150
			2.C	F 18.9	R 07.6		A 0.22	A 170
			4.C	F 18.9	R 07.7		A 0.19	A 160
			5.C	F 18.9	R 07.9		A 0.14	A 140
22/10/69	5.2	6.0	C.C	F 18.5	R 07.3		A 0.05	A 270
			2.C	F 18.7	R 07.7		A 0.09	A 330
			4.C	F 18.9	R 08.3		A 0.25	A 330
			6.C	F 18.9	R 08.4		A 0.27	A 350
22/10/69	6.6	6.0	C.C	F 18.7	R 08.8		F 0.71	A 350
			2.C	F 18.5	R 09.5			A 320
			4.C	F 18.3	R 09.5			A 350
			6.C	F 18.3	R 09.4			A 350

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STATION P(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.6MINUTES NORTH, LONGITUDE 76DEGREES 48.2MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	7.4	6.0	C.C	H 18.6	R 09.7		F 0.58	A 360
			2.C	F 18.8	R 10.0			A 350
			4.C	F 18.9	R 10.2			A 330
			5.C	F 18.9				A 330
			6.C		R 10.1			
22/10/69	8.4	6.0	C.C	H 18.1	R 10.0		F 0.37	A 350
			2.C	F 18.6	R 10.8			A 360
			4.C	F 18.6	R 10.9			A 310
			5.C	F 18.6				A 340
			6.C		R 10.9			
22/10/69	9.2	6.0	C.C	H 17.7	R 10.6		F 0.28	A 350
			2.C	F 18.0				A 340
			4.C	F 18.0	R 11.3			A 330
			5.C	F 18.0				A 350
			6.C		R 11.3			
22/10/69	10.2	6.0	C.C	H 18.1	R 10.0		F 0.35	A 070
			2.C	F 18.5	R 11.7			A 020
			4.C	F 18.5				A 360
			5.C	F 18.5				A 360
			6.C	F 18.5	R 11.7			
22/10/69	11.2	5.0	C.C	H 18.4			F 0.45	A 120
			2.C	F 18.4	R 11.0			A 160
			4.C	F 18.5	R 11.3			A 150
22/10/69	12.1	5.0	C.C	F 18.2	R 10.7		F 0.78	A 180
			2.C	F 18.4	R 10.7			A 160
			4.C	F 18.4	R 11.0			A 160

APPENDIX B
MATTAPONI HYDROGRAPHIC STATIONS

Transect	Dates Occupied	
	From	To
M(32.8)	Oct. 18	Oct. 19
M(32.0)	Oct. 18	Oct. 19
M(28.9)	Oct. 18	Oct. 19
M(26.1)	Oct. 18	Oct. 19
M(22.7)	Oct. 18	Oct. 19
M(19.4)	Oct. 18	Oct. 19
M(16.8)	Oct. 20	Oct. 21
M(13.9)	Oct. 20	Oct. 21
M(12.0)	Oct. 20	Oct. 21
M(9.4)	Oct. 20	Oct. 21
M(5.7)	Oct. 20	Oct. 21
M(3.8)	Oct. 20	Oct. 21
M(2.1)	Oct. 21	Oct. 22
M(0.7)	Oct. 17	Oct. 18
	Oct. 21	Oct. 22
	Oct. 17	Oct. 18
M(0.0)	Oct. 21	Oct. 22

Quantity	Units	Methods of Determination	Instrument Code	Accuracy
Time	hrs & tenths, EST	Ship's chronometer	-	± 0.05 hr.
Latitude & Longitude	degrees, minutes & tenths	USC&GS Chart	-	± 0.05 min.
Water depth	meters (nearest meter)	Sounding Line	-	± 0.5 m.
Sample depth	meters	marks on current meter cable	-	± 0.1 m.
Temperature	degrees Celsius	ARA thermistor ET-100	H	$\pm 0.1^{\circ}\text{C}$
		Stem thermometer	T	$\pm 0.1^{\circ}\text{C}$
Current speed	meters per second	Hydro Products Current Meter 460	S,U,Y	± 0.01 m/sec, 0.05-0.5 m/sec; ± 0.05 m/sec, 0.5-3.5 m/sec
		Bendix Current Meter B1	A,B,C	± 0.01 m/sec, 0.05-0.5 m/sec; ± 0.05 m/sec, 0.5-3.5 m/sec
		Pritchard Drag	F	± 0.03 m/sec, 0.05-0.5 m/sec
Current direction	degrees to nearest ten degrees (magnetic)	Hydro Products Current Meter 400	S,U,Y	$\pm 10^{\circ}$
		Bendix Current Meter B5	A,B,C	$\pm 10^{\circ}$
		Ship's Compass	L	$\pm 10^{\circ}$
		Pritchard Drag	F	$\pm 10^{\circ}$
Salinity	parts per thousand	Inductance Salinometer	R	$\pm 0.05\%$
Dissolved Oxygen	milligrams per liter	Winkler titration (Azide modification)	B	± 0.2 mg.l. ⁻¹

STATION M(32.8)A

LATITUDE 37DEGREES 48.3MINUTES NORTH, LONGITUDE 77DEGREES 5.6MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1900 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	19.0	1.0	1.0	F 13.3		B 8.5	Y .05	Y 170
18/10/69	20.0	1.0	1.0	F 13.3		B 8.7	Y .18	Y 170
18/10/69	21.0	1.0	1.0	F 13.2		B 8.5	Y .28	Y 170
18/10/69	22.0	1.0	1.0	F 13.2		B 8.5	Y .35	Y 170
18/10/69	23.0	1.0	1.0	F 13.2		B 8.4	Y .35	Y 170
19/10/69	0.0	1.0	1.0	F 13.1		B 8.5	Y .48	Y 170
19/10/69	1.0	1.0	1.0	F 13.0		B 9.7	Y .40	Y 170
19/10/69	2.0	1.0	1.0	F 12.9		B 9.1	Y .33	Y 160
19/10/69	3.0	1.0	1.0	F 12.7		B 8.6	Y .35	Y 140
19/10/69	4.0	1.0	1.0	F 12.6		B 8.7	Y .04	Y 150
19/10/69	5.0	1.0	1.0	F 12.5		B 8.8		
19/10/69	6.0	1.0	1.0	F 12.0		B 8.7		L 170
19/10/69	7.0	1.0	1.0	F 12.3		B 8.8	Y .00	L 170
19/10/69	8.0	1.0	1.0	F 12.3		B 8.6	Y .05	L 170
19/10/69	9.2	1.0	1.0	F 12.4		B 8.8	Y .24	L 170
19/10/69	10.0	1.0	1.0	F 12.5		B 8.8	Y .36	L 170
19/10/69	11.0	1.0	1.0	F 12.6		B 7.6	Y .44	L 170
19/10/69	12.0	1.0	1.0	F 12.7		B 9.9	Y .44	L 170
19/10/69	13.0	1.0	1.0	F 12.9		B 9.9	Y .40	L 170
19/10/69	14.0	1.0	1.0	F 13.0		B 9.3	Y .43	L 170
19/10/69	15.0	1.0	1.0	F 13.1		B 9.0	Y .05	L 170
19/10/69	16.0	1.0	1.0	F 13.8		B 8.9	Y .38	L 170
19/10/69	16.0	1.0	1.0	F 13.3		B 8.9	Y .38	L 170

(CONTINUED)

STATION M(32.8)A (CONTINUED)

LATITUDE 37DEGREES 48.3MINUTES NORTH, LONGITUDE 77DEGREES 5.6MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1900 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	17.0	0.0	0.5	H 13.3		B 8.8	Y .04	L 170
19/10/69	18.0	0.0	0.5	H 12.6		B 8.9	Y .01	L 170
19/10/69	19.0	1.0	1.0	H 13.0		B 9.2	Y .00	
19/10/69	20.0	1.0	1.0	H 13.3		B 8.4	Y .00	

STATION M(32.0)A

LATITUDE 37DEGREES 47.2MINUTES NORTH, LONGITUDE 77DEGREES 6.2MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1900 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	19.0	1.0	C.C	F 13.9		B 8.6	S .02	S 340
18/10/69	20.0	2.0	C.C	F 13.7		B 9.4	S .06	S 110
18/10/69	21.0	2.0	C.C	F 13.3		B 9.6	S .23	S 100
18/10/69	22.0	2.0	C.C	F 12.9		B 9.9	S .23	S 110
18/10/69	23.0	2.0	C.C	F 12.8		B 9.9	S .27	S 110
19/10/69	0.0	1.0	C.C	F 12.5		B 8.7	S .40	L 350
19/10/69	1.0	1.0	C.C	F 12.6		B 9.5	S .33	L 350
19/10/69	2.0	1.0	C.C	F 12.7		B 9.9	S .35	L 350
19/10/69	3.0	1.0	C.C	F 12.7		B 9.7	S .35	L 350
19/10/69	4.0	1.0	C.C	F 12.5		B 9.1	S .32	L 350
19/10/69	5.0	1.0	C.C	F 12.4		B 9.5	S .00	18
19/10/69	6.0	1.0	C.7	F 12.5		B 7.9	S .16	L 170
19/10/69	7.0	1.0	C.7	F 12.5		B 8.5	S .18	L 170
19/10/69	8.0	1.0	1.0	F 12.5		B 8.7	S .03	L 170
19/10/69	9.0	1.0	1.0	F 12.5		B 8.3	S .25	L 350
19/10/69	10.0	1.0	1.0	F 12.8		B 8.7	S .50	S 350
19/10/69	11.0	1.0	1.0	F 12.8		B 8.5	S .56	L 350
19/10/69	12.0	1.0	1.0	F 13.0		B 8.7	S .56	L 350
19/10/69	13.0	1.0	1.0	F 13.4		B 8.6	S .60	L 350
19/10/69	14.0	1.0	C.5	F 13.4		B 8.4	S .81	L 350
19/10/69	15.0	1.0	C.5	F 13.5		B 8.0	S .63	L 350
19/10/69	16.0	1.0	C.5	F 13.4		B 8.8	S .41	L 350
19/10/69	17.0	1.0	C.C	F 13.5		B 8.7	S .15	L 350

(CONTINUED)

STATION M(32.0)A (CONTINUED)

LATITUDE 37DEGREES 47.2MINUTES NORTH, LONGITUDE 77DEGREES 6.2MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1900 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	18.0	1.0	C.C	F 13.3		B 9.0	S .16	L 170
19/10/69	19.0	1.0	C.C	F 13.4		B 8.8	S .16	L 170
19/10/69	20.0	1.0	C.C	H 13.5		B 8.6	S .06	L 170

STATION M(28.9)A

LATITUDE 37DEGREES 45.6MINUTES NORTH, LONGITUDE 77DEGREES 5.2MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	18.0	3.C	C.C 2.C	F 15.1		B 7.5	A .20 A .12	A 210 A 230
18/10/69	19.0	3.C	C.C 2.C	H 15.0 F 15.1		B 7.5	A .07 A .06	A 170 A 210
18/10/69	20.0	3.C	C.C 2.C	H 14.9 F 15.0		B 7.5	A .05 A .08	A 180 A 220
18/10/69	21.0	3.C	C.C 2.C	F 14.9 F 14.9		B 7.6	A .24 A .21	A 220 A 220
18/10/69	22.0	3.C	C.C 2.C	F 14.6 F 14.6		B 7.6	A .29 A .25	A 240 A 230
18/10/69	23.0	3.C	C.C 2.C	F 14.3 F 14.4		B 7.6	A .30 A .20	A 220 A 200
19/10/69	0.0	2.C	C.C 2.C	H 14.2 F 14.2		B 8.0	A .29 A .18	A 210 A 220
19/10/69	1.0	2.C	C.C 2.C	F 14.1 F 14.1		B 8.0	A .28 A .21	A 200 A 220
19/10/69	2.0	2.C	C.C 2.C	T 13.7		B 8.0	A .25 A .18	A 170 A 230
19/10/69	3.0	1.C	C.C 1.C	T 13.7		B 8.1	A .00 A .00	A 230 A 230
19/10/69	4.0	2.C	C.C 2.C	T 13.8		B 8.0	A .13 A .12	A 150 A 230
19/10/69	5.0	2.C	C.C 2.C	T 13.8		B 8.1	A .22 A .20	A 220 A 220
19/10/69	6.0	2.C	C.C 2.C	T 13.9		B 7.8	A .23 A .18	A 140 A 220
19/10/69	7.0	3.C	C.C 2.C	T 13.8		B 7.7	A .16 A .17	A 180 A 180
19/10/69	8.0	2.C	C.C 1.C	T 14.0		B 7.6	A .03 A .02	A 150 A 170

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STATION M(28.9)A (CONTINUED)

LATITUDE 37DEGREES 45.6MINUTES NORTH, LONGITUDE 77DEGREES 5.2MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	9.0	3.0	C.C	H 14.1			A .16	A 120
			1.0	H 14.1		B 7.6	A .10	A 220
19/10/69	10.0	3.0	C.C	T 13.8			A .27	A 120
			2.0			B 7.8	A .26	A 240
19/10/69	11.0	3.0	C.C	H 14.0			A .30	A 170
			2.0			B 7.9	A .26	A 240
19/10/69	12.0	1.0	C.C	H 15.7			A .03	A 50
			1.0	H 15.3		B 8.1	A .12	A 230
19/10/69	13.0	2.0	C.C	F 14.9			A .19	A 350
			1.0	F 14.6		B 8.3	A .15	A 00
19/10/69	14.0	1.0	C.C	H 15.4			A .08	A 110
			1.0	H 15.5		B 8.7	A .05	A 110
19/10/69	15.0	1.0	C.C	H 14.6			A .02	A 170
			1.0			B 8.6	A .06	A 170
19/10/69	16.0	2.0	C.C	F 14.6			A .15	A 320
			1.0	H 14.4		B 8.4	A .14	A 060
19/10/69	17.0	2.0	C.C	F 14.4			A .21	A 000
			1.0	F 14.4		B 8.4	A .22	A 070
19/10/69	18.0	2.0	C.C	F 14.5			A .29	A 000
			2.0	F 14.5		B 9.9	A .25	A 030
19/10/69	19.0	3.0	C.C	F 14.8			A .22	A 330
			2.0	F 14.7		B 9.4	A .18	A 170
19/10/69	20.0	3.0	C.C	F 14.9			A .14	A 310
			2.0	F 14.9		B 8.2	A .12	A 070

STATION M126.11A

LATITUDE 37DEGREES 44.5MINUTES NORTH, LONGITUDE 77DEGREES 3.2MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1900 HRS TO 19/10/69 2000HRS

DA-MC-YR	F-CUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	19.0	3.0	C.C 2.C	0 16.3 0 16.0		B 7.3		
18/10/69	20.0	3.0	C.C 2.C	0 16.4 0 16.4		B 7.2		
18/10/69	21.0	3.0	C.C 2.C	0 16.4 0 16.4		B 7.3		
18/10/69	22.0	3.0	C.C 2.C	0 16.0 0 16.0		B 6.9		
18/10/69	23.0	3.0	C.C 2.C	0 15.7 0 15.7				
19/10/69	0.0	2.0	C.C 2.C	0 15.3 0 15.2		B 7.1		
19/10/69	1.0	2.0	C.C 2.C	0 14.8 0 14.8		B 7.4		
19/10/69	2.0	2.0	C.C 2.C	0 14.6 0 14.6		B 6.9		
19/10/69	3.0	1.0	C.C 1.C	0 14.4 0 14.4		B 7.0		
19/10/69	4.0	1.0	1.C			B 7.1		
19/10/69	5.0	1.0	C.C 1.C	0 14.8 0 14.8		B 6.2		
19/10/69	6.0	1.0	C.C 1.C	0 15.0 0 15.0		B 6.3		
19/10/69	7.0	2.0	2.C	0 15.2		B 6.2		
19/10/69	8.0	2.0	2.C	0 15.3		B 6.7		
19/10/69	9.0	2.0	2.C	0 15.3		B 6.4		
19/10/69	10.0	2.0	2.C	0 15.1		B 5.9		
19/10/69	11.0	2.0	2.C	0 15.0		B 5.9		

(CONTINUED)

STATION M(26.1)A (CONTINUED)

LATITUDE 37DEGREES 44.5MINUTES NORTH, LONGITUDE 77DEGREES 3.2MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1900 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	12.0	2.C	2.C	O 15.0		B 6.3		
19/10/69	13.0	1.C	1.9	O 15.0		B 6.4		
19/10/69	14.0	1.C	1.5	O 15.1		B 6.4		
19/10/69	15.0	1.C	1.5	F 15.6		B 6.1	B .16	B 010
19/10/69	16.0	2.C	2.C	F 15.6		B 6.4	B .31	B 020
19/10/69	17.0	2.C	2.C	F 16.0		B 6.7	B .42	B 020
19/10/69	18.0	2.C	C.C 2.C	F 16.1 F 16.2		B 7.9	B .43 B .37	B 040 B 010
19/10/69	19.0	2.C	C.C 2.C	F 16.2 F 16.6		B 8.2	B .41 B .37	B 020 B 020
19/10/69	20.0	3.C	C.C 2.C	F 16.4 H 16.4		B 8.4	B .31 B .20	B 010 B 010

STATION M(22.7)A

LATITUDE 37DEGREES 42.7MINUTES NORTH, LONGITUDE 77DEGREES 0.3MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	18.2	3.0	C.C 2.0	J 17.2 J 17.2	R 00.1 R 00.1	B 6.7	C .12 C .10	C 360 C 360
18/10/69	19.0	3.0	C.C 2.0	J 16.4 J 17.0	R 00.2 R 00.2	B 6.8	C .05 C .05	C 310 C 040
18/10/69	20.0	3.0	C.C 2.0	J 16.3 J 16.7	R 00.2 R 00.2	B 6.6	C .10 C .11	C 220 C 160
18/10/69	21.0	3.0	C.C 2.0	J 16.4 J 16.7	R 00.2 R 00.2	B 6.6	C .30 C .28	C 270 C 170
18/10/69	22.0	3.0	C.C 2.0	J 16.4 J 16.6	R 00.2 R 00.2	B 6.6	C .33 C .30	C 170 C 160
19/10/69	6.0	3.0	C.C 2.0	J 16.0 J 16.0		B 6.6	C .21 C .12	C 350 C 360
19/10/69	7.0	3.0	C.C 2.0	J 16.2 J 16.2		B 6.3	C .05 C .04	C 360 C 010
19/10/69	8.0	3.0	C.C 2.0	J 15.9 J 16.1		B 6.1	C .03 C .05	C 110 C 170
19/10/69	9.0	2.0	C.C 2.0	J 16.1 J 16.2		B 6.5	C .27 C .23	C 140 C 170
19/10/69	10.0	2.0	C.C 1.0 2.0	J 16.1 J 16.1		B 6.5	C .37 C .27	C 160 C 160
19/10/69	11.0	2.0	C.C 1.0 2.0	J 16.0 J 16.0		B 6.6	C .30 C .24	C 150 C 150
19/10/69	12.0	2.0	C.C 1.5	J 16.1		B 6.9	C .26	C 160
19/10/69	13.0	1.0	1.0	J 16.7		B 7.1	C .20	C 190
19/10/69	14.0	1.0	C.C 1.0	J 16.6		B 7.1	C .10	C 140
19/10/69	15.0	2.0	C.C 1.5	J 17.0		B 7.1	C .19	C 360

(CONTINUED)

STATION M(22.7)A (CONTINUED)

LATITUDE 37DEGREES 42.7MINUTES NORTH, LONGITUDE 77DEGREES 0.3MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	16.0	2.0	C.C 1.5	J 17.1		B 7.2	C .22	C 350
19/10/69	17.0	2.0	C.C 1.6 2.0	J 16.9 J 16.9		B 7.3	C .23 C .20	C 360 C 350
19/10/69	18.0	2.0	C.C 1.6 2.0	J 16.8 J 16.8		B 7.1	C .18 C .17	C 350 C 350
19/10/69	19.0	2.0	C.C 2.0	J 16.7 J 16.8		B 6.9	C .17 C .14	C 360 C 340
19/10/69	20.0	2.0	C.C 2.0	J 16.7 J 16.8		B 6.7	C .14 C .01	C 020 C 050

STATION M(22.7)B

LATITUDE 37DEGREES 42.7MINUTES NORTH, LONGITUDE 77DEGREES 0.3MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TC 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	18.5	3.0	0.0	J 17.0	R 00.2		C .17	C 020
			2.0	J 17.0	R 00.1		C .17	C 350
18/10/69	19.0	3.0	0.0	J 16.6	R 00.2		C .05	C 240
			2.0	J 17.0	R 00.2		C .08	C 010
18/10/69	20.0	4.0	0.0	J 16.8	R 00.2		C .10	C 220
			2.0	J 17.0	R 00.2		C .11	C 220
			4.0	J 17.0	R 00.2		C .12	C 160
18/10/69	21.0	4.0	0.0	J 16.7	R 00.2		C .35	C 320
			2.0	J 16.8	R 00.2		C .38	C 170
			4.0	J 16.8	R 00.2		C .33	C 160
18/10/69	22.0	3.0	0.0	J 16.5	R 00.2		C .37	C 330
			2.0	J 16.7	R 00.2		C .38	C 170
18/10/69	23.0	3.0	0.0	J 16.3	R 00.2		C .41	C 310
			2.0	J 16.5	R 00.2		C .43	C 160
19/10/69	6.0	4.0	0.0	J 16.1			C .27	C 360
			2.0	J 16.2			C .23	C 350
			3.0	J 16.2			C .20	C 350
19/10/69	7.0	4.0	0.0	J 16.0			C .17	C 360
			2.0	J 16.2			C .16	C 350
			3.0	J 16.2			C .11	C 350
19/10/69	8.0	4.0	0.0	J 16.1			C .06	C 210
			2.0	J 16.3			C .03	C 210
			3.0	J 16.3			C .10	C 170
19/10/69	9.0	4.0	0.0	J 16.2			C .36	C 160
			2.0	J 16.1			C .35	C 160
			3.0	J 16.1			C .30	C 170
19/10/69	10.0	4.0	0.0	J 15.8				C 150
			2.0	J 15.9				C 170
			3.0					C 160
19/10/69	11.0	3.0	0.0	J 15.9			C .37	C 160
			2.0	J 15.9			C .40	C 160
19/10/69	12.0	3.0	0.0	J 16.0			C .38	C 150
			2.0	J 16.0			C .32	C 160

(CONTINUED)

STATION M(22.7)B (CONTINUED)

LATITUDE 37DEGREES 42.7MINUTES NORTH, LONGITUDE 77DEGREES 0.3MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	13.0	3.0	C.C	J 16.1			C .28	C 180
			2.C	J 16.1			C .23	C 160
19/10/69	14.0	3.0	C.C	J 16.5			C .10	C 170
			2.C	J 16.2			C .07	C 190
19/10/69	15.0	3.0	C.C	J 16.4			C .27	C 350
			2.C	J 16.2			C .23	C 350
19/10/69	16.0	4.0	C.C	J 16.5			C .37	C 350
			2.C	J 16.5			C .31	C 350
			3.C	J 16.5			C .31	C 350
19/10/69	17.2	4.0	C.C	J 16.7			C .38	C 350
			2.C	J 16.7			C .42	C 350
			3.C	J 16.7			C .30	C 350
19/10/69	18.2	4.0	C.C	J 16.7			C .35	C 350
			2.C	J 16.7			C .32	C 350
			3.5	J 16.7			C .29	C 350
19/10/69	19.3	4.0	C.C	J 16.8			C .26	C 350
			2.C	J 16.7			C .25	C 350
			3.5	J 16.8			C .20	C 350
19/10/69	20.2	4.0	C.C	J 16.8			C .08	C 020
			2.C	J 16.8			C .07	C 350
			3.5	J 16.7			C .09	C 340

STATION M(22.7)C

LATITUDE 37DEGREES 42.7MINUTES NORTH, LONGITUDE 77DEGREES 0.3MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	0.0	3.0	0.0	J 15.8	R 00.2	B 6.6	C .41	C 150
			2.0	J 16.2	R 00.2		C .41	C 150
19/10/69	1.0	3.0	0.0	J 15.6	R 00.1	B 6.6	C .36	C 170
			2.0	J 15.9	R 00.1		C .36	C 150
19/10/69	2.0	3.0	0.0	J 15.7	R 00.2	B 7.2	C .25	C 150
			2.0	J 15.9	R 00.2		C .21	C 160
19/10/69	3.0	3.0	0.0	J 15.5	R 00.2	B 7.0	C .14	C 020
			2.0	J 15.8	R 00.2		C .14	C 350
19/10/69	4.0	3.0	0.0	J 15.8	R 00.2		C .46	C 130
			2.0	J 15.8	R 00.2		C .42	C 340
19/10/69	5.0	3.0	0.0	J 15.9	R 00.2	B 6.7	C .50	C 360
			2.0	J 16.0	R 00.2		C .50	C 350

STATION M(19.4)A

LATITUDE 37DEGREES 41.3MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	18.0	5.0	0.0	H 17.5				U 290
			2.0	F 17.7		B 6.6		U 280
			4.0	F 17.8				U 280
18/10/69	19.0	4.0	0.0	F 16.8				U 090
			2.0	F 17.1				U 110
			4.0	F 17.6				U 170
18/10/69	20.0	5.0	0.0	F 15.8				U 100
			2.0	F 16.8		B 6.5		U 100
			4.0	F 17.2				U 100
18/10/69	21.0	5.0	0.0	F 16.2				U 110
			2.0	H 16.7		B 6.6		U 110
			4.0	F 17.0				U 100
18/10/69	22.0	5.0	0.0	F 16.7				U 100
			2.0	F 16.7		B 6.4		U 110
			4.0	F 16.8				U 110
18/10/69	23.0	5.0	0.0	F 15.7				U 120
			2.0	F 16.0		B 6.6		U 120
			4.0	F 16.2				U 120
19/10/69	0.0	4.0	0.0	F 15.7				U 120
			2.0	H 16.0		B 6.7		U 130
			4.0	F 16.3				U 120
19/10/69	1.0	4.0	0.0	F 15.3				U 120
			2.0	F 15.6		B 6.5		U 120
19/10/69	2.0	4.0	0.0	F 15.2				U 120
			2.0	F 15.7		B 6.6		U 120
19/10/69	3.0	5.0	0.0	F 15.3				U 290
			2.0	F 15.6		B 6.4		U 280
			4.0	F 15.8				U 280
19/10/69	4.0	4.0	0.0	F 15.7				U 280
			2.0	F 15.9		B 4.2		U 280
			4.0	F 16.0				U 280
19/10/69	5.0	5.0	0.0	F 15.5				U 290
			2.0	F 15.8		B 6.4		U 290
			4.0	F 16.1				U 290

(CONTINUED)

STATION M(19.4)A (CONTINUED)

LATITUDE 37DEGREES 41.3MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	6.0	5.0	C.C	H 16.4				U 280
			2.C	H 16.5		B 6.4		U 280
			3.8	H 16.7				U 280
19/10/69	7.2	5.0	C.C	H 16.7			U .38	U 270
			2.C	H 16.8		B 6.4	U .10	U 250
			4.C	H 16.9			U .03	U 280
19/10/69	8.0	5.0	C.C	H 16.8			U .03	U 040
			2.C	H 16.7		B 6.6	U .08	U 100
19/10/69	9.2	5.0	C.C	H 17.0			U .33	U 090
			2.C	H 16.9		B 6.5	U .03	U 100
19/10/69	10.0	5.0	C.C	H 17.1			U .42	U 090
			2.C	H 17.0		B 6.5	U .35	U 100
19/10/69	11.5	4.0	C.C	H 16.7			U .36	U 100
			2.C	H 16.7		B 6.9	U .32	U 090
19/10/69	12.2	4.0	C.C	H 16.9			U .30	U 090
			2.C	H 16.8		B 6.6	U .25	U 110
19/10/69	13.1	4.0	C.C	H 17.0			U .19	U 110
			2.C	H 16.9		B 6.7	U .13	U 080
19/10/69	14.0	3.0	C.C	H 17.5			U .05	U 100
			2.C	H 17.1		B 6.6	U .04	U 300
19/10/69	15.3	4.0	C.C	H 17.3			U .27	U 270
			2.C	H 17.3		B 6.9	U .24	U 290
19/10/69	16.2	5.0	C.C	H 17.3			U .37	U 280
			2.C	H 17.3		B 6.6	U .35	U 290
19/10/69	17.0	5.0	C.C	H 17.3			U .41	U 290
			2.C	H 17.3		B 6.7	U .36	U 290
			4.C	H 17.4			U .31	U 280
19/10/69	18.0	5.0	C.C	H 17.4			U .31	U 280
			2.C	H 17.3		B 6.7	U .31	U 290
			4.C	H 17.3			U .23	U 290

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STATION M(19.4)A (CONTINUED)

LATITUDE 37DEGREES 41.3MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	19.0	5.0	C.C	H 17.3			U .24	U 290
			2.C	H 17.2		B 6.9	U .24	U 290
			4.C	H 17.1			U .21	U 280
19/10/69	20.0	5.0	C.C	H 17.4			U .10	U 290
			2.C	H 17.4		B 6.7	U .06	U 270
			4.C	H 17.4			U .08	U 270

STATION M(19.4)B

LATITUDE 37DEGREES 41.2MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	18.0	5.0	0.0	H 17.5			U .17	U 290
			2.0	H 17.6			U .17	U 290
			4.0	H 17.6			U .17	U 280
18/10/69	19.0	5.0	0.0	H 17.8			U .15	U 080
			2.0	H 17.8			U .15	U 090
			4.0	H 17.8			U .15	U 100
18/10/69	20.0	5.0	0.0	H 17.0			U .	U 100
			2.0	H 17.3			U .	U 100
			4.0	H 17.5			U .	U 100
18/10/69	21.0	5.0	0.0	F 17.5				U 100
			2.0	H 17.5				U 110
			4.0	H 17.5				U 110
18/10/69	22.0	4.0	0.0	H 16.6				U 090
			2.0	H 16.9				U 100
			4.0	F 19.0				U 100
18/10/69	23.0	4.0	0.0	F 16.3				U 110
			2.0	H 16.6				U 110
			4.0	H 16.8				U 110
19/10/69	0.0	4.0	0.0	F 16.4				U 120
			2.0	F 16.5				U 120
19/10/69	1.0	4.0	0.0	F 15.3				U 110
			2.0	F 16.3				U 110
19/10/69	2.0	4.0	0.0	F 16.0				U 180
			2.0	H 16.2				U 180
19/10/69	3.0	5.0	0.0	F 16.3				U 290
			2.0	H 16.4				U 290
			4.0	F 16.5				U 290
19/10/69	4.0	5.0	0.0	F 15.7				U 290
			2.0	H 16.1				U 290
			4.0	F 16.4				U 290
19/10/69	5.0	5.0	0.0	H 16.3				U 280
			2.0	H 16.5				U 280
			4.0	H 16.7				U 290

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STATION M(19.4)B (CONTINUED)

LATITUDE 37DEGREES 41.2MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	6.2	5.0	C.C	H 16.4				U 270
			2.C	F 16.7				U 280
			4.C	F 16.9				U 290
19/10/69	7.0	5.0	C.C	F 16.8			U .20	U 280
			2.C	F 16.9			U .15	U 280
			4.C	H 17.0			U .11	U 290
19/10/69	8.2	5.0	C.C	F 17.0			U .13	U 110
			2.C	F 17.0			U .14	U 110
19/10/69	9.0	5.0	C.C	F 16.8			U .35	U 100
			2.C	F 16.9			U .32	U 110
19/10/69	10.2	4.0	C.C	F 16.7			U .42	U 110
			2.C	F 16.7			U .42	U 110
19/10/69	11.0	4.0	C.C	F 16.6			U .40	U 100
			2.C	F 16.6			U .41	U 100
19/10/69	12.4	4.0	C.C	F 16.6			U .37	U 090
			2.C	F 16.6			U .34	U 100
19/10/69	13.0	4.0	C.C	F 16.9			U .30	U 120
			2.C	F 16.8			U .26	U 100
19/10/69	14.2	4.0	C.C	F 16.9			U .03	U 100
			2.C	F 16.9			U .05	U 120
19/10/69	15.6	5.0	C.C	F 17.1			U .36	U 280
			2.C	F 17.1			U .34	U 280
19/10/69	16.0	5.0	C.C	F 17.2			U .46	U 290
			2.C	F 17.3			U .43	U 280
19/10/69	17.0	5.0	C.C	F 17.1			U .50	U 290
			2.C	H 17.0			U .40	U 280
			4.C	F 16.8			U .26	U 300
19/10/69	18.0	5.0	C.C	F 17.2			U .21	U 280
			2.C	F 17.3			U .21	U 290
			4.C	H 17.2			U .30	U 280

(CONTINUED)

STATION M(19.4)B (CONTINUED)

LATITUDE 37DEGREES 41.2MINUTES NORTH, LONGITUDE 76DEGREES 57.4MINUTES WEST

TRANSECT OCCUPIED 18/10/69 1800 HRS TO 19/10/69 2000HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
19/10/69	19.0	5.0	0.0	H 17.3			U .25	U 290
			2.0	H 17.3			U .30	U 290
			4.0	H 17.2			U .26	U 290
19/10/69	20.0	5.0	0.0	H 17.3			U .21	U 300
			2.0	H 17.3			U .18	U 280
			4.0	H 17.3			U .16	U 280

STATION M(16.8)A

LATITUDE 37DEGREES 41.1MINUTES NORTH, LONGITUDE 76DEGREES 54.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DATE-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.0	5.0	C.C	J 17.4	R 00.1	B 6.6	C 0.30	C 360
			2.C	J 17.5	R 00.1		C 0.25	C 360
			4.C	J 17.5	R 00.1		C 0.22	C 360
			6.C	J 17.5	R 00.1		C 0.17	C 360
20/10/69	8.1	5.0	C.C	J 16.9	R 00.1	B 6.8	C 0.12	C 360
			2.C	J 17.0	R 00.1		C 0.17	C 360
			4.C	J 17.0	R 00.1		C 0.15	C 360
			5.5	J 17.0	R 00.1		C 0.12	C 360
20/10/69	9.0	5.0	C.C	J 17.7	R 00.1	B 6.9	C 0.13	C 120
			2.C	J 17.7	R 00.1		C 0.12	C 360
			4.C	J 17.6	R 00.1		C 0.13	C 190
			5.5	J 17.6	R 00.1		C 0.07	C 350
20/10/69	10.1	5.0	C.C	J 18.5	R 00.1	B 6.9	C 0.34	C 350
			2.C	J 17.9	R 00.1		C 0.39	C 190
			4.C	J 17.7	R 00.1		C 0.35	C 180
			6.C	J 17.6	R 00.1		C 0.34	C 180
20/10/69	11.0	5.0	C.C	J 21.5	R 00.1	B 6.8	C 0.40	C 180
			2.C	J 17.9	R 00.1		C 0.49	C 180
			4.C	J 17.7	R 00.1		C 0.48	C 190
			5.5	J 17.7	R 00.1		C 0.37	C 180
20/10/69	12.1	5.0	C.C	J 18.0	R 00.1	B 7.0	C 0.40	C 180
			2.C	J 17.8	R 00.1		C 0.42	C 180
			4.C	J 17.7	R 00.1		C 0.43	C 190
			5.5	J 17.7	R 00.1		C 0.40	C 180
20/10/69	13.0	5.0	C.C	J 18.0	R 00.1	B 7.7	C 0.34	C 190
			2.C	J 17.8	R 00.1		C 0.44	C 180
			4.C	J 17.7	R 00.1		C 0.40	C 180
			5.5	J 17.6	R 00.1		C 0.30	C 200
20/10/69	14.1	5.0	C.C	J 17.9	R 00.1	B 7.1	C 0.32	C 180
			2.C	J 17.7	R 00.1		C 0.31	C 190
			4.C	J 17.6	R 00.1		C 0.27	C 170
			5.0	J 17.6	R 00.1		C 0.24	C 180
20/10/69	15.0	5.0	C.C	J 18.1	R 00.1	B 6.7	C 0.18	C 180
			2.C	J 17.9	R 00.1		C 0.09	C 190
			4.C	J 17.8	R 00.1		C 0.12	C 180
			5.0	J 17.8	R 00.1		C 0.12	C 220

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STATION M(16.8)A (CONTINUED)

LATITUDE 37DEGREES 41.1MINUTES NORTH, LONGITUDE 76DEGREES 54.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HOOR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	16.1	5.0	0.0	J 18.3	R 00.1		C 0.27	C 360
			2.0	J 18.2	R 00.1	B 7.2	C 0.35	C 360
			4.0	J 18.0	R 00.1		C 0.28	C 360
			5.5	J 18.0	R 00.1		C 0.23	C 360
20/10/69	17.0	5.0	0.0	J 18.4	R 00.1		C 0.38	C 360
			2.0	J 18.3	R 00.1	B 9.0	C 0.40	C 360
			4.0	J 18.2	R 00.1		C 0.38	C 360
			5.5	J 18.2	R 00.1		C 0.35	C 360
20/10/69	18.0	6.0	0.0	J 18.2			C 0.41	C 010
			2.0	J 18.0		B 7.2	C 0.43	C 360
			4.0	J 18.0			C 0.35	C 010
			5.0	J 18.0			C 0.32	C 360
20/10/69	19.0	6.0	0.0	J 18.1			C 0.40	C 010
			2.0	J 18.1	R 00.1	B 7.2	C 0.36	C 010
			4.0	J 18.1	R 00.1		C 0.32	C 010
			5.0	J 18.1	R 00.1		C 0.30	C 010
20/10/69	20.0	6.0	0.0	J 18.2	R 00.1		C 0.28	C 020
			2.0	J 18.2	R 00.1	B 7.9	C 0.28	C 010
			4.0	J 18.1	R 00.2		C 0.21	C 010
			6.0	J 18.1	R 00.1		C 0.17	C 020
20/10/69	21.0	6.0	0.0	J 18.2	R 00.1		C 0.12	C 010
			2.0	J 18.2	R 00.1	B 7.0	C 0.13	C 360
			4.0	J 18.2	R 00.1		C 0.09	C 020
			5.5	J 18.2			C 0.07	C 020
20/10/69	22.0	6.0	0.0	J 18.2	R 00.1		C 0.06	C 240
			2.0	J 18.2	R 00.1	B 6.9	C 0.10	C 200
			4.0	J 18.2	R 00.1		C 0.15	C 180
			5.5	J 18.2	R 00.1		C 0.19	C 170
20/10/69	23.0	6.0	0.0	J 18.2	R 00.1		C 0.38	C 180
			2.0	J 18.2	R 00.1	B 6.8	C 0.38	C 180
			4.0	J 18.2	R 00.1		C 0.34	C 190
			5.0	J 18.1	R 00.0		C 0.29	C 180
21/10/69	0.0	6.0	0.0	J 18.2	R 00.1		C 0.55	C 180
			2.0	J 18.1	R 00.1	B 7.1	C 0.55	C 180
			4.0	J 18.1	R 00.1		C 0.45	C 180
			5.0	J 18.1	R 00.1		C 0.36	C 180

(CONTINUED)

STATION M(16.8)A (CONTINUED)

LATITUDE 37DEGREES 41.1MINUTES NORTH, LONGITUDE 76DEGREES 54.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	1.0	5.0	0.C	J 18.2			C 0.45	C 180
			2.C	J 18.1			C 0.49	C 200
			4.C	J 18.1			C 0.42	C 180
21/10/69	2.0	5.0	0.C	J 18.0	R 00.1	B 7.4	C 0.46	C 180
			2.C	J 18.0	R 00.1		C 0.48	C 190
			4.C	J 18.0	R 00.1		C 0.39	C 180
21/10/69	3.0	5.0	0.C	J 17.9	R 00.0	B 7.5	C 0.37	C 190
			2.C	J 17.9	R 00.0		C 0.36	C 200
			4.C	J 17.9	R 00.0		C 0.30	C 180
21/10/69	4.0	5.0	0.C	J 18.1	R 00.0	B 7.8	C 0.18	C 200
			2.C	J 17.9	R 00.0		C 0.18	C 200
			4.C	J 17.9	R 00.1		C 0.14	C 190
21/10/69	5.0	5.0	0.C	J 18.0	R 00.1		C 0.22	C 020
			2.C	J 18.0	R 00.1		C 0.20	C 020
			4.C	J 17.9	R 00.1		C 0.18	C 360
21/10/69	6.0	5.0	0.C	J 18.0	R 00.1		C 0.40	C 020
			2.C	J 18.0	R 00.1		C 0.40	C 020
			4.C	J 18.0	R 00.1		C 0.33	C 020
			4.8	J 18.0			C 0.32	C 020
21/10/69	7.0	5.0	0.C	J 18.0	R 00.1	B 8.2	C 0.41	C 020
			2.C	J 18.0	R 00.1		C 0.40	C 020
			4.C	J 18.0	R 00.1		C 0.36	C 010
			4.9	J 18.0			C 0.30	C 020
			5.9		R 00.1			
21/10/69	8.0	6.0	0.C	J 18.0	R 00.1	B 7.8	C 0.24	C 030
			2.C	J 18.0	R 00.1		C 0.30	C 020
			4.C	J 18.0	R 00.1		C 0.30	C 020
			5.C	J 18.0			C 0.24	C 010
			6.C		R 00.1			

STATION M(16.8)B

LATITUDE 37DEGREES 41.1MINUTES NORTH, LONGITUDE 76DEGREES 55.0MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.4	5.0	0.0	J 17.5	R 00.1		C 0.28	C 360
			2.0	J 17.5	R 00.1		C 0.22	C 360
			4.0	J 17.6	R 00.1		C 0.20	C 360
			5.5	J 17.6	R 00.1		C 0.22	C 360
20/10/69	8.0	5.0	0.0	J 17.5	R 00.1		C 0.17	C 360
			2.0	J 17.5	R 00.1		C 0.15	C 360
			4.0	J 17.6	R 00.1		C 0.12	C 360
			5.5	J 17.6	R 00.1		C 0.15	C 360
20/10/69	9.1	5.0	0.0	J 17.9	R 00.1		C 0.14	C 170
			2.0	J 17.7	R 00.1		C 0.15	C 190
			4.0	J 17.7	R 00.1		C 0.08	C 220
			5.5	J 17.7	R 00.1		C 0.12	C 190
20/10/69	10.0	5.0	0.0	J 17.3	R 00.1		C 0.30	C 170
			2.0	J 17.9	R 00.1		C 0.30	C 180
			4.0	J 17.6	R 00.1		C 0.28	C 180
			5.5	J 17.6	R 00.1		C 0.27	C 180
20/10/69	11.1	5.0	0.0	J 18.0	R 00.1		C 0.33	C 180
			2.0	J 17.7	R 00.1		C 0.38	C 180
			4.0	J 17.7	R 00.1		C 0.36	C 190
			5.5	J 17.7	R 00.1		C 0.30	C 190
20/10/69	12.0	5.0	0.0	J 18.0	R 00.1		C 0.27	C 180
			2.0	J 17.8	R 00.1		C 0.33	C 180
			4.0	J 17.6	R 00.1		C 0.29	C 170
			5.0	J 17.6	R 00.1		C 0.30	C 180
20/10/69	13.1	5.0	0.0	J 17.9	R 00.1		C 0.26	C 190
			2.0	J 17.7	R 00.1		C 0.35	C 180
			4.0	J 17.6	R 00.1		C 0.24	C 190
			5.0	J 17.6	R 00.1		C 0.25	C 190
20/10/69	14.0	5.0	0.0	J 17.8			C 0.22	C 180
			2.0	J 17.8	R 00.1		C 0.20	C 180
			4.0	J 17.6	R 00.1		C 0.20	C 170
			5.0	J 17.6	R 00.1		C 0.19	C 170
20/10/69	15.1	4.0	0.0	J 18.0	R 00.1		C 0.12	C 180
			2.0	J 17.8	R 00.1		C 0.17	C 280
			4.0	J 17.6	R 00.1		C 0.11	C 270

(CONTINUED)

STATION M(16.8)B (CONTINUED)

LATITUDE 37DEGREES 41.1MINUTES NORTH, LONGITUDE 76DEGREES 55.0MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TC 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	16.0	4.0	C.C	J 18.5	R 00.1		C 0.23	C 040
			2.C	J 18.1	R 00.1		C 0.24	C 050
			4.C	J 17.9			C 0.19	C 360
20/10/69	18.0	5.0	C.C	J 18.2	R 00.1		C 0.44	C 360
			2.C	J 18.0	R 00.1		C 0.44	C 350
			4.C	J 18.0	R 00.1		C 0.36	C 360
20/10/69	19.0	6.0	C.C	J 18.2	R 00.1		C 0.38	C 360
			2.C	J 18.1	R 00.1		C 0.38	C 360
			4.C	J 18.1	R 00.1		C 0.30	C 360
			5.C	J 18.1	R 00.1		C 0.28	C 020
20/10/69	20.0	6.0	C.C	J 18.3	R 00.0		C 0.32	C 360
			2.C	J 18.2	R 00.1		C 0.25	C 350
			4.C	J 18.2	R 00.1		C 0.21	C 360
			5.C	J 18.2			C 0.18	C 010
			6.C		R 00.0			
20/10/69	21.0	6.0	C.C	J 18.3	R 00.1		C 0.18	C 350
			2.C	J 18.2	R 00.1		C 0.11	C 360
			4.C	J 18.2	R 00.1		C 0.06	C 040
			5.C	J 18.2	R 00.1		C 0.05	C 360
20/10/69	22.0	6.0	C.C	J 18.3	R 00.1		C 0.10	C 180
			2.C	J 18.2	R 00.1		C 0.14	C 180
			4.C	J 18.2	R 00.1		C 0.22	C 190
			5.C	J 18.2	R 00.1		C 0.14	C 190
20/10/69	23.0	5.0	C.C	J 18.3	R 00.1		C 0.33	C 190
			2.C	J 18.2	R 00.1		C 0.40	C 180
			4.C	J 18.1	R 00.1		C 0.25	C 200
			5.C	J 18.1	R 00.1		C 0.01	C 190
21/10/69	0.0	5.0	C.C	J 18.2	R 00.1		C 0.40	C 180
			2.C	J 18.1	R 00.0		C 0.39	C 190
			4.C	J 18.1	R 00.1		C 0.34	C 180
21/10/69	2.0	5.0	C.C	J 18.3	R 00.1		C 0.33	C 180
			2.C	J 18.0	R 00.1		C 0.32	C 180
			4.C	J 18.0	R 00.0		C 0.22	C 180
21/10/69	3.0	5.0	C.C	J 18.1	R 00.0		C 0.26	C 220
			2.C	J 17.9	R 00.0		C 0.21	C 190
			4.C	J 17.9	R 00.1		C 0.18	C 190

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STATION M(16.8)B (CONTINUED)

LATITUDE 37DEGREES 41.1MINUTES NORTH, LONGITUDE 76DEGREES 55.0MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	4.0	5.0	0.0	J 18.0	R 00.1		C 0.10	C 220
			2.0	J 17.8	R 00.1		C 0.09	C 190
			4.0	J 17.8	R 00.1		C 0.10	C 190
21/10/69	5.0	5.0	0.0	J 18.0	R 00.1		C 0.31	C 010
			2.0	J 17.9	R 00.1		C 0.26	C 020
			4.0	J 17.9	R 00.1		C 0.20	C 010
21/10/69	6.5	5.0	0.0	J 17.9	R 00.1		C 0.46	C 020
			2.0	J 18.0	R 00.1		C 0.44	C 020
			4.0	J 18.0	R 00.1		C 0.39	C 020
			5.4		R 00.1			
21/10/69	7.2	5.0	0.0	J 18.0	R 00.1		C 0.43	C 030
			2.0	J 18.0	R 00.1		C 0.43	C 010
			4.0	J 18.0	R 00.1		C 0.33	C 020
			4.6	J 18.0			C 0.35	C 010
			5.6		R 00.1			
21/10/69	8.3	5.0	0.0	J 18.1	R 00.1		C 0.23	C 040
			2.0	J 18.1	R 00.1		C 0.30	C 020
			4.0	J 18.1	R 00.1		C 0.28	C 020
			5.0	J 18.1			C 0.26	C 020
			5.9		R 00.1			

STATION M(13.9)A

LATITUDE 37DEGREES 39.4MINUTES NORTH, LONGITUDE 76DEGREES 53.6MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.6	1.C	C.C 2.C	H 17.9	R 00.1 R 00.1		B 0.23	B 280
20/10/69	8.4	1.C	C.C 1.C	H 18.0 H 17.9	R 00.1 R 00.1		B 0.13 B 0.09	B 050 B 190
20/10/69	9.0	2.C	C.C 2.C	H 18.0 H 18.0	R 00.1 R 00.1		B 0.12 B 0.10	B 100 B 100
20/10/69	10.3	1.C	C.C 1.C	H 18.1 H 18.1	R 00.1 R 00.1		B 0.40 B 0.35	B 090 B 100
20/10/69	11.0	1.C	C.C 1.C	H 18.2 H 18.1	R 00.1 R 00.1		B 0.40 B 0.31	B 080 B 100
20/10/69	12.3	1.C	C.C 1.C	H 18.2 H 18.1	R 00.1 R 00.1		B 0.38 B 0.29	B 090 B 090
20/10/69	13.0	1.C	C.C 1.C	H 18.2	R 00.1 R 00.1		B 0.27	B 080
20/10/69	14.3	1.C	C.C 1.C	H 18.1	R 00.1 R 00.1		B 0.21	B 070
20/10/69	15.0	1.C	C.C 1.C	H 18.2	R 00.1 R 00.1		B 0.09	B 340
20/10/69	17.0	1.C	C.C 1.C	H 18.3	R 00.1 R 00.1		B 0.47	B 280
20/10/69	19.0	2.C	C.C 2.C	H 18.5	R 00.1 R 00.1		B 0.36	B 260
20/10/69	20.0	2.C	C.C 2.C	H 18.5 H 18.4	R 00.1 R 00.1		B 0.33 B 0.34	B 260 B 270
20/10/69	21.0	2.C	C.C 2.C	H 18.4 H 18.4	R 00.1 R 00.1		B 0.33 B 0.32	B 240 B 250
20/10/69	22.0	2.C	C.C 2.C	H 18.4 H 18.4	R 00.1 R 00.1		B 0.31 B 0.30	B 300 B 300
20/10/69	23.0	2.C	C.C 2.C	H 18.3 H 18.3	R 00.1 R 00.1		B 0.32 B 0.31	B 280 B 300

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STATION M(13.9)A (CONTINUED)

LATITUDE 37DEGREES 39.4MINUTES NORTH, LONGITUDE 76DEGREES 53.6MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MO-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE		SALINITY		DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	0.0	2.0	C.C	H	18.3	R	00.1		B 0.21	B 270
			2.C	H	18.3	R	00.1		B 0.21	B 260
21/10/69	1.0	2.0	C.C	H	18.3	R	00.1		B 0.17	B 230
			2.C	H	18.3	R	00.1		B 0.16	B 220
21/10/69	2.0	2.0	C.C	H	18.3	R	00.1		B 0.12	B 130
			2.C	H	18.3	R	00.1		B 0.12	B 140
21/10/69	3.0	2.0	C.C	H	18.3	R	00.1		B 0.25	B 100
			2.C	H	18.3	R	00.1		B 0.24	B 100
21/10/69	4.0	2.0	C.C	H	18.3	R	00.1		B 0.17	B 140
			2.C	H	18.3	R	00.1		B 0.17	B 150
21/10/69	5.0	2.0	C.C	H	18.3	R	00.1		B 0.14	B 270
			2.C	H	18.3	R	00.1		B 0.15	B 270
21/10/69	6.0	2.0	C.C	H	18.3	R	00.1		B 0.21	B 270
			2.C	H	18.3	R	00.1		B 0.21	B 270
21/10/69	7.0	3.0	C.C	H	18.4	R	00.1		B 0.50	B 280
			2.C	H	18.4	R	00.1		B 0.45	B 250
21/10/69	8.0	3.0	C.C	H	18.5	R	00.1		B 0.45	B 260
			2.C	H	18.5	R	00.1		B 0.35	B 270

STATION M(13.9)B

LATITUDE 37DEGREES 39.4MINUTES NORTH, LONGITUDE 76DEGREES 53.6MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.0	2.C	C.C 2.C	F 17.9 H 17.9	R 00.1 R 00.1	B 6.8	B 0.24 B 0.24	B 280 B 260
20/10/69	8.2	2.C	C.C 2.C	H 17.9 F 17.9	R 00.1 R 00.1	B 6.4	B 0.12 B 0.12	B 280 B 260
20/10/69	9.2	2.C	C.C 2.C	H 18.0 F 18.0	R 00.1 R 00.1	B 5.8	B 0.14 B 0.12	B 070 B 070
20/10/69	10.2	3.C	C.C 2.C	F 18.0 F 18.0	R 00.1 R 00.1	B 6.2	B 0.32 B 0.31	B 070 B 100
20/10/69	11.2	3.C	C.C 2.C	F 18.1 F 18.0	R 00.1 R 00.1	B 6.0	B 0.44 B 0.35	B 090 B 100
20/10/69	12.2	2.C	C.C 1.C	F 18.1 F 18.0	R 00.1 R 00.1	B 5.7	B 0.50 B 0.31	B 090 B 090
20/10/69	13.2	2.C	C.C 2.C	H 18.1 H 18.1	R 00.1 R 00.1	B 6.8	B 0.33 B 0.27	B 090 B 090
20/10/69	14.2	2.C	C.C 2.C	F 18.1 F 18.0	R 00.1 R 00.1	B 5.0	B 0.25 B 0.22	B 110 B 100
20/10/69	17.2	1.C	C.C 1.C	F 18.3 F 18.2	R 00.1 R 00.1	B 5.2	B 0.55 B 0.53	B 270 B 250
20/10/69	19.0	2.C	C.C 2.C	F 18.5 H 18.4	R 00.1 R 00.1	B 6.8	B 0.34 B 0.34	B 260 B 270
20/10/69	20.0	2.C	C.C 2.C	F 18.5 F 18.5	R 00.1 R 00.1	B 6.8	B 0.34 B 0.34	B 260 B 270
20/10/69	21.0	2.C	C.C 2.C	F 18.5 F 18.5	R 00.1 R 00.1	B 6.7	B 0.35 B 0.34	B 270 B 260
20/10/69	22.0	2.C	C.C 2.C	H 18.4 F 18.4	R 00.1 R 00.1	B 5.9	B 0.35 B 0.34	B 270 B 270
20/10/69	23.0	2.C	C.C 2.C	F 18.3 F 18.3	R 00.1 R 00.1	B 6.3	B 0.28 B 0.27	B 290 B 310
21/10/69	0.0	2.C	C.C 2.C	F 18.3 H 18.3	R 00.1 R 00.1	B 6.3	B 0.21 B 0.21	B 280 B 270

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STATION M(13.9)B (CONTINUED)

LATITUDE 37DEGREES 39.4MINUTES NORTH, LONGITUDE 76DEGREES 53.6MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	1.0	2.0	C.C 2.C	H 18.3 H 18.3	R 00.1 R 00.1	B 5.3	B 0.16 B 0.15	B 190 B 180
21/10/69	2.0	2.0	C.C 2.C	H 18.3 H 18.3	R 00.1 R 00.1	B 5.6	B 0.20 B 0.20	B 100 B 100
21/10/69	3.0	2.0	C.C 2.0	H 18.3 H 18.3	R 00.1 R 00.1	B 5.3	B 0.26 B 0.26	B 110 B 100
21/10/69	4.0	2.0	C.C 2.C	H 18.3 H 18.3	R 00.1 R 00.1	B 6.5	B 0.17 B 0.16	B 150 B 150
21/10/69	5.0	2.0	C.C 2.C		R 00.1	B 6.1	B 0.16 B 0.16	B 280 B 270
21/10/69	6.0	2.0	C.C 2.C	H 18.3 H 18.3	R 00.1 R 00.1	B 4.5	B 0.23 B 0.22	B 270 B 260
21/10/69	7.0	3.0	C.C 2.C	H 18.4 H 18.4	R 00.1 R 00.1	B 7.1	B 0.50 B 0.40	B 260 B 260
21/10/69	8.0	3.0	C.C 2.C	H 18.4 H 18.4	R 00.1 R 00.1		B 0.43 B 0.35	B 260 B 260

STATION M(13.9)C

LATITUDE 37DEGREES 39.3MINUTES NORTH, LONGITUDE 76DEGREES 53.6MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.7	3.C	C.C 2.C	H 17.9 H 17.9	R 00.1 R 00.1		B 0.11 B 0.12	B 270 B 260
20/10/69	8.0	3.C	C.C 2.C	H 17.9	R 00.1 R 00.1		B 0.12 B 0.12	B 270 B 270
20/10/69	9.3	3.C	C.C 2.C	H 18.1 H 18.0	R 00.1 R 00.1		B 0.24 B 0.20	B 090 B 090
20/10/69	10.0	3.C	C.C 2.C	H 18.1 H 18.0	R 00.1 R 00.1		B 0.42 B 0.41	B 090 B 090
20/10/69	11.3	3.C	C.C 2.C	H 18.1 H 18.1	R 00.1 R 00.1		B 0.63 B 0.50	B 090 B 110
20/10/69	12.0	3.C	C.C 2.C	H 18.1 H 18.1	R 00.1 R 00.1		B 0.58 B 0.50	B 090 B 090
20/10/69	13.2	2.C	C.C 2.C	H 18.1 H 18.1	R 00.1 R 00.1		B 0.60 B 0.40	B 080 B 080
20/10/69	14.0	2.C	C.C 2.C	H 18.1 H 18.1	R 00.1 R 00.1		B 0.41 B 0.34	B 080 B 100
20/10/69	17.3	3.C	C.C 2.C	H 18.3 H 18.2	R 00.1 R 00.1		B 0.48 B 0.48	B 250 B 270
20/10/69	19.0	2.C	C.C 2.C	H 18.5 H 18.4	R 00.1 R 00.1		B 0.34 B 0.34	B 260 B 270
20/10/69	20.0	2.C	C.C 2.C	H 18.5 H 18.5	R 00.1 R 00.1		B 0.33 B 0.33	B 250 B 220
20/10/69	21.0	2.C	C.C 2.C	H 18.4 H 18.4	R 00.1 R 00.1		B 0.32 B 0.32	B 260 B 280
20/10/69	22.0	2.C	C.C 2.C	H 18.4 H 18.4	R 00.1 R 00.1		B 0.35 B 0.35	B 270 B 280
20/10/69	23.0	2.C	C.C 2.C	H 18.3 H 18.3	R 00.1 R 00.1		B 0.21 B 0.21	B 270 B 270
21/10/69	0.0	2.C	C.C 2.C	H 18.3 H 18.3	R 00.1 R 00.1		B 0.20 B 0.19	B 280 B 280

(CONTINUED)

STATION M(13.9)C (CONTINUED)

LATITUDE 37DEGREES 39.3MINUTES NORTH, LONGITUDE 76DEGREES 53.6MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	1.0	2.C	C.C	H 18.3	R 00.1		B 0.14	B 170
			2.C	H 18.3	R 00.1		B 0.13	B 160
21/10/69	2.0	2.C	C.C	H 18.3	R 00.1		B 0.23	B 100
			2.C	H 18.3	R 00.1		B 0.22	B 100
21/10/69	3.0	2.C	C.C	H 18.3	R 00.1		B 0.15	B 100
			2.C	H 18.3	R 00.1		B 0.14	B 100
21/10/69	4.0	2.C	C.C	H 18.3	R 00.1		B 0.15	B 250
			2.C	H 18.3	R 00.1		B 0.15	B 230
21/10/69	6.0	2.C	C.C	H 18.3	R 00.1		B 0.23	B 270
			2.C	H 18.3	R 00.1		B 0.22	B 250
21/10/69	7.0	3.C	C.C	H 18.3	R 00.1		B 0.45	B 260
			2.C	H 18.4	R 00.1		B 0.40	B 270
21/10/69	8.0	3.C	C.C	H 18.4	R 00.1		B 0.43	B 260
			2.C	H 18.4	R 00.1		B 0.33	B 270

STATION M(12.0)A

LATITUDE 37DEGREES 38.5MINUTES NORTH, LONGITUDE 76DEGREES 51.7MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.0	7.0	C.C	H 17.5	R 00.1		S 0.33	S 330
			2.C		R 00.1		S 0.25	S 330
			4.C		R 00.1		S 0.21	S 320
			6.C		R 00.1		S 0.17	S 320
20/10/69	8.0	7.0	C.C	H 17.8	R 00.1		S 0.16	S 330
			2.C		R 00.1		S 0.18	S 310
			4.C		R 00.1		S 0.12	S 320
			5.C				S 0.11	S 320
			6.C		R 00.1			18
20/10/69	9.0	7.0	C.C	H 18.1	R 00.1		S 0.15	18
			2.C				S 0.15	S 120
			4.C		R 00.1		S 0.21	S 140
			6.C		R 00.1		S 0.18	S 140
20/10/69	10.0	8.0	C.C	H 18.2	R 00.1		S 0.40	S 140
			2.C		R 00.1		S 0.37	S 140
			4.C		R 00.1		S 0.35	S 140
			6.C		R 00.1		S 0.21	S 140
20/10/69	11.0	6.0	C.C	H 18.5	R 00.1		S 0.46	S 140
			2.C		R 00.1		S 0.46	S 150
			4.C		R 00.1		S 0.44	S 140
			6.C		R 00.1		S 0.41	S 140
20/10/69	12.0	6.0	C.C	H 18.6	R 00.1		S 0.46	S 140
			2.C		R 00.1		S 0.45	S 140
			4.C		R 00.1		S 0.36	S 140
			6.C		R 00.1		S 0.43	S 140
20/10/69	13.0	7.0	C.C	H 18.2	R 00.1		S 0.41	S 140
			2.C	F 18.2	R 00.1		S 0.44	S 140
			4.C	F 18.2	R 00.1		S 0.42	S 140
			6.C	H 18.2			S 0.36	S 140
20/10/69	14.0	7.0	C.C	H 18.2	R 00.1		S 0.26	S 140
			2.C	H 18.2	R 00.1		S 0.26	S 140
			4.C	F 18.2			S 0.22	S 150
			6.C	H 18.2	R 00.1		S 0.21	S 140
20/10/69	15.0	7.0	C.C	T 18.6	R 00.1		S 0.05	S 160
			2.C		R 00.1		S 0.05	S 130
			4.C		R 00.1		S 0.10	S 320
			6.C		R 00.1		S 0.06	S 340

(CONTINUED)

STATION M(12.0)A (CONTINUED)

LATITUDE 37DEGREES 38.5MINUTES NORTH, LONGITUDE 76DEGREES 51.7MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	16.0	7.0	C.C	T 18.7	R 00.1		S 0.40	S 330
			2.C		R 00.1		S 0.42	S 320
			4.C		R 00.1		S 0.43	S 320
			6.C		R 00.1		S 0.43	S 330
20/10/69	17.2	6.0	C.C	H 17.7			S 0.35	S 330
			2.C	H 17.8	R 00.1		S 0.38	S 330
			4.C	H 17.8	R 00.1		S 0.33	S 330
			6.C	H 17.8	R 00.1		S 0.58	S 330
20/10/69	18.0	7.0	C.C	H 17.8	R 00.1		S 0.60	S 340
			2.C	H 17.8	R 00.1		S 0.59	S 340
			4.C	H 17.7	R 00.1		S 0.55	S 330
			6.C	H 17.8	R 00.1		S 0.54	S 330
20/10/69	19.0	8.0	C.C	H 17.8	R 00.1		S 0.32	S 340
			2.C	H 17.8	R 00.1		S 0.32	S 340
			4.C	H 17.8	R 00.1		S 0.47	S 330
			6.C	H 17.8	R 00.1		S 0.47	S 330
			7.C	H 17.8	R 00.1		S 0.32	S 340
20/10/69	20.0	8.0	C.C	H 17.7	R 00.1		S 0.35	S 340
			2.C	H 17.5	R 00.1		S 0.30	S 340
			4.C	H 17.5	R 00.1		S 0.30	S 340
			6.C	H 17.5	R 00.1		S 0.27	S 320
			7.C	H 17.5	R 00.1		S 0.19	S 320
20/10/69	21.0	8.0	C.C	H 17.4	R 00.1		S 0.14	S 330
			2.C	H 17.7	R 00.1		S 0.15	S 340
			4.C	H 17.8	R 00.1		S 0.07	S 00
			6.C	H 17.7	R 00.1		S 0.04	S 340
			7.C	H 17.8	R 00.1		S 0.04	S 50
20/10/69	22.0	8.0	C.C	H 17.8	R 00.1		S 0.12	S 120
			2.C	H 17.8	R 00.1		S 0.14	S 130
			4.C	H 17.7	R 00.1		S 0.23	S 140
			6.C	H 17.8	R 00.1		S 0.17	S 140
			7.C	H 17.6	R 00.1		S 0.20	S 150
20/10/69	23.0	8.0	C.C	H 17.5	R 00.1		S 0.54	S 120
			2.C	H 17.6	R 00.1		S 0.46	S 170
			4.C	H 17.6	R 00.1		S 0.46	S 140
			6.C	H 17.5	R 00.1		S 0.48	S 140
			7.C	H 17.5	R 00.1		S 0.44	S 150

(CONTINUED)

STATION M(12.0)A (CONTINUED)

LATITUDE 37DEGREES 38.5MINUTES NORTH, LONGITUDE 76DEGREES 51.7MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	0.0	8.0	C.C	H 17.6	R 00.1		S 0.60	S 130
			2.C	H 17.8	R 00.1		S 0.58	S 160
			4.C	F 17.7	R 00.1		S 0.56	S 150
			6.C	F 18.1	R 00.1		S 0.54	S 150
			7.C	F 18.1	R 00.1		S 0.44	S 160
21/10/69	1.0	7.0	C.C	H 17.8	R 00.1		S 0.54	S 140
			2.C	H 17.8	R 00.1		S 0.50	S 160
			4.C	F 18.0	R 00.1		S 0.51	S 160
			6.C	H 18.0	R 00.1		S 0.45	S 140
			7.C	F 18.0	R 00.1		S 0.39	S 140
21/10/69	2.0	7.0	C.C	H 17.8	R 00.1		S 0.50	S 160
			2.C	H 17.8	R 00.1		S 0.43	S 150
			4.C	F 17.9	R 00.1		S 0.39	S 150
			6.C	F 17.9	R 00.1		S 0.30	S 160
			7.C	F 17.9	R 00.1		S 0.30	S 140
21/10/69	3.0	7.0	C.C	H 17.8	R 00.1		S 0.34	S 130
			2.C	F 17.8	R 00.1		S 0.38	S 140
			4.C	F 17.8	R 00.1		S 0.34	S 150
			6.C	F 17.8	R 00.1		S 0.28	S 150
			7.C	F 17.8	R 00.1		S 0.20	S 150
21/10/69	4.0	7.0	C.C	F 17.8	R 00.1		S 0.10	S 140
			2.C	H 17.8	R 00.1		S 0.06	S 140
			4.C	F 17.8	R 00.1		S 0.07	S 130
			6.C	H 17.8	R 00.1		S 0.05	S 80
			7.C	H 17.8		S 0.08	S 110	
21/10/69	5.1	7.0	C.C	F 18.0	R 00.1		S 0.36	S 340
			2.C	H 18.0	R 00.1		S 0.26	S 320
			4.C	F 18.0	R 00.1		S 0.21	S 320
			6.C	H 18.0	R 00.1		S 0.21	S 330
21/10/69	6.0	7.0	C.C	H 18.0	R 00.1		S 0.56	S 340
			2.C	F 18.0	R 00.1		S 0.37	S 330
			4.C	H 18.0	R 00.1		S 0.31	S 320
			6.C	F 18.0		S 0.29	S 330	
21/10/69	7.0	7.0	C.C	F 18.0	R 00.1		S 0.35	S 340
			2.C	F 18.0	R 00.1		S 0.36	S 320
			4.C	F 18.0	R 00.1		S 0.39	S 310
			6.C	H 18.0	R 00.1		S 0.31	S 320

(CONTINUED)

STATION M(12.0)A (CONTINUED)

LATITUDE 37DEGREES 38.5MINUTES NORTH, LONGITUDE 76DEGREES 51.7MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	8.0	7.0	C.0	H 18.0	R 00.1		S 0.33	S 320
			2.0	H 18.0	R 00.1		S 0.41	S 330
			4.0	H 18.0	R 00.1		S 0.47	S 320
			6.0	H 18.0	R 00.1		S 0.20	S 310

STATION M(12.0)B

LATITUDE 37DEGREES 38.5MINUTES NORTH, LONGITUDE 76DEGREES 51.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.3	6.0	C.C	F 17.4	R 00.1		S 0.18	S 320
			2.C		R 00.1	B 5.8	S 0.17	S 310
			4.C		R 00.1		S 0.13	S 320
			5.C				S 0.11	S 320
			6.C		R 00.1			18
20/10/69	8.2	6.0	C.C	H 17.5	R 00.1		S 0.16	S 310
			2.C		R 00.1	B 8.1	S 0.15	S 310
			4.C		R 00.1		S 0.11	S 310
			6.C		R 00.1		S 0.06	S 300
20/10/69	9.5	7.0	C.C	F 18.2	R 00.1		S 0.32	S 120
			2.C		R 00.1	B 6.8	S 0.35	S 140
			4.C		R 00.1		S 0.23	S 140
			6.C		R 00.1		S 0.18	S 140
20/10/69	10.2	6.0	C.C	H 18.2	R 00.1		S 0.46	S 140
			2.C			B 7.1	S 0.38	S 140
			4.C				S 0.31	S 150
			5.C				S 0.28	S 140
			6.C		R 00.1			18
20/10/69	11.2	6.0	C.C	H 18.4			S 0.46	S 140
			2.C		R 00.1	B 7.0	S 0.46	S 140
			4.C		R 00.1		S 0.38	S 120
			5.C				S 0.32	S 130
			6.C		R 00.1			18
20/10/69	12.2	6.0	C.C	H 18.1	R 00.1		S 0.48	S 120
			2.C	F 18.1	R 00.1	B 7.3	S 0.45	S 130
			4.C	F 18.1	R 00.1		S 0.40	S 130
			6.C	F 18.1	R 00.1		S 0.44	S 140
20/10/69	13.2	6.0	C.C	F 18.3	R 00.1		S 0.41	S 120
			2.C	H 18.1	R 00.1	B 6.9	S 0.36	S 130
			4.C	F 18.1	R 00.1		S 0.33	S 130
			5.C	F 18.1			S 0.23	S 130
			6.C		R 00.1			18
20/10/69	14.2	6.0	C.C	F 18.2			S 0.21	S 140
			2.C	H 18.1		B 6.7	S 0.15	S 130
			4.C	F 18.1	R 00.1		S 0.21	S 150
			5.C	F 18.1			S 0.14	S 150
			6.C		R 00.1			18

(CONTINUED)

STATION M(12.0)B (CONTINUED)

LATITUDE 37CEGrees 38.5MINUTES NORTH, LONGITUDE 76DEGREES 51.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	15.3	6.0	C.C	H 19.2	R 00.1	B 7.9	S 0.19	S 320
			2.0		R 00.1		S 0.12	S 320
			4.0		R 00.1		S 0.14	S 300
			5.0		R 00.1			18
20/10/69	16.2	6.0	C.C	H 18.4	R 00.1	B 7.0	S 0.30	S 330
			2.0		R 00.1		S 0.29	S 310
			4.0		R 00.1		S 0.25	S 320
			5.0				S 0.19	S 320
			6.0		R 00.1			18
20/10/69	17.6	6.0	C.C	H 17.7	R 00.1	B 7.4	S 0.49	S 320
			2.0	H 17.5			S 0.46	S 320
			4.0	H 17.3	R 00.1		S 0.45	S 320
			5.0	H 17.9	R 00.1		S 0.46	S 310
20/10/69	18.2	5.0	C.C	H 17.8	R 00.1	B 8.6	S 0.50	S 320
			2.0	H 17.7	R 00.1		S 0.46	S 320
			4.0	H 17.7	R 00.1		S 0.45	S 320
20/10/69	19.2	5.0	C.C	H 17.7	R 00.1	B 7.5	S 0.41	S 340
			2.0	H 17.7	R 00.1		S 0.41	S 340
			4.0	H 17.7	R 00.1		S 0.33	S 330
20/10/69	20.2	6.0	C.C	H 17.7	R 00.1	B 9.6	S 0.27	S 320
			2.0	H 17.4	R 00.1		S 0.16	S 330
			4.0	H 17.6	R 00.1		S 0.15	S 320
			5.0	H 17.7	R 00.1		S 0.12	S 330
20/10/69	21.2	6.0	C.C	H 17.7	R 00.1	B 7.1	S 0.08	S 00
			2.0	H 17.8	R 00.1		S 0.08	S 320
			4.0	H 17.8	R 00.1		S 0.04	S 270
			5.0	H 17.8	R 00.1		S 0.03	S 340
20/10/69	22.2	7.0	C.C	H 17.7	R 00.1	B 6.9	S 0.29	S 150
			2.0	H 17.6	R 00.1		S 0.25	S 160
			4.0	H 17.7	R 00.1		S 0.27	S 160
			6.0	H 17.7	R 00.1		S 0.15	S 150
20/10/69	23.2	6.0	C.C	H 17.6	R 00.1	B 7.3	S 0.51	S 130
			2.0	H 17.6	R 00.1		S 0.50	S 150
			4.0	H 17.7	R 00.1		S 0.45	S 140
			5.0	H 17.7	R 00.1		S 0.44	S 140

(CONTINUED)

STATION M(12.0)R (CONTINUED)

LATITUDE 37DEGREES 38.5MINUTES NORTH, LONGITUDE 76DEGREES 51.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	0.2	6.0	C.C	F 17.8	R CC.1	B 6.9	S 0.63	S 130
			2.C	F 17.8	R CC.1		S 0.55	S 150
			4.C	F 18.1	R CC.1		S 0.55	S 130
			5.C	F 18.1	R CC.1		S 0.31	S 130
21/10/69	1.2	6.0	C.C	F 17.8	R CC.1	B 7.0	S 0.54	S 140
			2.C	F 17.8	R CC.1		S 0.45	S 150
			4.C	F 17.9	R CC.1		S 0.45	S 140
			5.C	F 17.9	R CC.1		S 0.37	S 140
21/10/69	2.2	6.0	C.C	F 17.9	R CC.1	B 7.3	S 0.34	S 130
			2.C	F 17.9	R CC.1		S 0.32	S 140
			4.C	F 17.9	R CC.1		S 0.29	S 130
			5.C	F 17.9	R CC.1		S 0.25	S 130
21/10/69	3.2	6.0	C.C	F 17.9	R CC.1	B 7.1	S 0.37	S 140
			2.C	F 17.9	R CC.1		S 0.27	S 150
			4.C	F 17.9	R CC.1		S 0.18	S 140
			5.C	F 17.8	R CC.1		S 0.19	S 150
21/10/69	4.2	6.0	C.C	F 17.8	R CC.1	B 7.0	S 0.06	S 140
			2.C	F 17.8	R CC.1		S 0.03	S CC
			4.C	F 17.9	R CC.1		S 0.07	S 40
			5.C	F 17.9	R CC.1		S 0.19	S 40
21/10/69	5.3	6.0	C.C	F 18.0	R CC.1	B 7.1	S 0.36	S 340
			2.C	F 18.0	R CC.1		S 0.31	S 320
			4.C	F 18.0	R CC.1		S 0.21	S 310
			5.C	F 18.0	R CC.1		S 0.21	S 320
21/10/69	6.2	5.0	C.C	F 18.0	R CC.1	B 7.0	S 0.38	S 320
			2.C	F 18.0	R CC.1		S 0.30	S 320
			4.C	F 18.0	R CC.1		S 0.23	S 310
21/10/69	7.2	6.0	C.C	F 18.0	R CC.1	B 1.1	S 0.46	S CC
			2.C	F 18.0	R CC.1		S 0.31	S 330
			4.C	F 18.0	R CC.1		S 0.30	S 310
			5.C	F 18.0	R CC.1		S 0.27	S 300
21/10/69	8.2	5.0	C.C	F 18.0	R CC.1	B 7.3	S 0.41	S 310
			2.C	F 18.0	R CC.1		S 0.25	S 310
			4.C	F 18.0	R CC.1		S 0.18	S 310

STATION M(12.0)C

LATITUDE 37DEGREES 38.4MINUTES NORTH, LONGITUDE 76DEGREES 51.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.6	4.0	C.C 2.C 3.C 4.C	H 14.5	R CO.1 R CO.1 R CO.1		S 0.12 S 0.08 S 0.06	S 320 S 310 S 310 18
20/10/69	8.4	4.0	C.C 2.C 3.C 4.C	H 17.9	R CO.1 R CO.1		S 0.08 S 0.05 S 0.03	S 120 S 120 S 140 18
20/10/69	9.7	3.0	C.C 2.C 3.C	H 18.2	R CO.1 R CO.1 R CO.1		S 0.42 S 0.33 S 0.27	S 120 S 140 S 140
20/10/69	10.4	3.0	C.C 2.C 3.C	H 18.3	R CO.1 R CO.1	B 7.1	S 0.46 S 0.44 S 0.38	S 130 S 130 S 140
20/10/69	11.4	3.0	C.C 2.C 2.5	H 18.8	R CO.1		S 0.45 S 0.43 S 0.36	S 120 S 130 S 120
20/10/69	12.6	3.0	C.C 2.C	H 18.4 H 18.2	R CO.1 R CO.1		S 0.48 S 0.41	S 130 S 130
20/10/69	13.4	3.0	C.C 2.C	H 18.5 H 18.3	R CO.1 R CO.1		S 0.35 S 0.28	S 130 S 140
20/10/69	14.4	3.0	C.C 2.C	T 18.7			S 0.20 S 0.10	S 130 S 140
20/10/69	15.7	3.0	C.C 2.C	T 18.7	R CO.1 R CO.1		S 0.26 S 0.20	S 330 S 320
20/10/69	16.4	3.0	C.C 2.C 2.5 3.C	T 18.4	R CO.1 R CO.1 R CO.1		S 0.32 S 0.27 S 0.21	S 320 S 310 S 310 18
20/10/69	17.7	4.0	C.C 2.C 3.C	H 17.8 H 17.8 H 17.8	R CO.1 R CO.1 R CO.1		S 0.48 S 0.45 S 0.37	S 330 S 330 S 320

(CONTINUED)

STATION M(12.0)C (CONTINUED)

LATITUDE 37DEGREES 38.4MINUTES NORTH, LONGITUDE 76DEGREES 51.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	18.3	4.C	C.C	H 17.7	R 00.1		S 0.43	S 330
			2.C	H 17.7	R 00.1		S 0.41	S 330
			3.C	F 17.6			S 0.32	S 330
20/10/69	19.5	4.C	C.C	H 17.7	R 00.1		S 0.27	S 310
			2.C	H 17.6	R 00.1		S 0.26	S 320
			3.C	H 17.7	R 00.1		S 0.23	S 320
20/10/69	20.4	4.C	C.C	H 17.6	R 00.1		S 0.16	S 340
			2.C	F 17.6	R 00.1		S 0.13	S 320
			3.C	F 17.6	R 00.1		S 0.11	S 320
20/10/69	21.5	4.C	C.C	F 17.8	R 00.1		S 0.13	S 120
			2.C	F 17.8	R 00.1		S 0.04	S 130
			4.C	F 17.8	R 00.1		S 0.04	S 140
20/10/69	22.3	4.C	C.C	F 17.7			S 0.36	S 120
			2.C	F 17.7			S 0.35	S 140
			3.C	F 17.8			S 0.30	S 140
20/10/69	23.4	4.C	C.C	F 17.8	R 00.1		S 0.54	S 120
			2.C	H 17.8	R 00.1		S 0.56	S 130
			3.C	F 17.8	R 00.1		S 0.49	S 130
21/10/69	0.4	3.C	C.C	F 17.8	R 00.1		S 0.56	S 120
			2.C	H 17.8	R 00.1		S 0.56	S 150
			3.C	F 17.9	R 00.1		S 0.50	S 140
21/10/69	1.4	3.C	C.C	H 17.8	R 00.1		S 0.56	S 120
			2.C	F 17.8	R 00.1		S 0.49	S 140
			3.C	F 17.9	R 00.1		S 0.48	S 140
21/10/69	2.3	3.C	C.C	F 17.9	R 00.1		S 0.43	S 130
			2.C	F 17.9	R 00.1		S 0.41	S 130
21/10/69	3.4	3.C	C.C	H 17.9	R 00.1		S 0.29	S 130
			2.C	F 17.9	R 00.1		S 0.20	S 130
21/10/69	4.4	3.C	C.C	F 17.8			S 0.02	S 250
			2.C	F 17.8			S 0.02	S 320
21/10/69	5.5	4.C	C.C	H 18.0	R 00.1		S 0.28	S 300
			2.C	H 18.0	R 00.1		S 0.21	S 330
			3.5	F 18.0	R 00.1		S 0.21	S 300

(CONTINUED)

STATION M(12.0)C (CONTINUED)

LATITUDE 37DEGREES 38.4MINUTES NORTH, LONGITUDE 76DEGREES 51.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	6.5	4.0	C.C	H 18.0	R 00.1		S 0.43	S 280
			2.C	H 18.0	R 00.1		S 0.31	S 300
			3.C	H 18.0	R 00.1		S 0.23	S 320
21/10/69	7.4	4.0	C.C	H 18.0	R 00.1		S 0.38	S 310
			2.C	H 18.0	R 00.1		S 0.24	S 320
			3.C	H 18.0	R 00.1		S 0.21	S 310
21/10/69	8.4	4.0	C.C	H 18.0	R 00.1		S 0.39	S 310
			2.C	H 18.0	R 00.1		S 0.26	S 300
			3.C	H 18.0	R 00.1		S 0.26	S 280

STATION M(9.4)A

LATITUDE 37DEGREES 36.9MINUTES NORTH, LONGITUDE 76DEGREES 51.3MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.0	7.C	C.C	F 17.7	R 00.3		U 0.28	U 320
			2.C	F 17.9	R 00.3		U 0.28	U 320
			4.C	F 18.0	R 00.3		U 0.33	U 320
			6.C	F 18.0	R 00.3		U 0.28	U 320
20/10/69	8.0	6.C	C.C	F 18.1	R 00.3		U 0.09	U 280
			2.C	F 18.1	R 00.3		U 0.07	U 100
			4.C	F 18.1	R 00.3		U 0.06	U 290
20/10/69	9.0	6.C	C.C	F 19.2	R 00.3		U 0.35	U 110
			2.C	F 18.9	R 00.3		U 0.28	U 130
			4.C	F 18.4	R 00.3		U 0.23	U 130
20/10/69	10.0	6.C	C.C	F 19.3	R 00.2		U 0.55	U 130
			2.C	F 18.8	R 00.2		U 0.70	U 120
			4.C	F 18.4	R 00.2		U 0.53	U 120
			6.C		R 00.2			
20/10/69	11.0	7.0	C.C	F 19.0	R 00.1		U 0.63	U 120
			2.C	F 18.7	R 00.1		U 0.63	U 130
			4.C	F 18.3	R 00.1		U 0.55	U 130
			6.C	F 18.2	R 00.1		U 0.45	U 140
20/10/69	12.0	7.C	C.C	F 19.0	R 00.1		U 0.63	U 120
			2.C	F 18.7	R 00.1		U 0.55	U 120
			4.C	F 18.4	R 00.1		U 0.45	U 130
			6.C	F 18.3	R 00.1		U 0.46	U 130
20/10/69	13.0	7.C	C.C	F 19.0			U 0.48	U 120
			2.C	F 18.5	R 00.1		U 0.49	U 120
			4.C	F 18.3	R 00.1		U 0.41	U 130
			6.C	F 18.2	R 00.1		U 0.47	U 130
20/10/69	14.0	5.C	C.C	F 18.4			U 0.34	U 120
			2.C	F 18.3	R 00.1		U 0.34	U 120
			4.C	F 18.3	R 00.1		U 0.20	U 140
20/10/69	15.0	5.C	C.C	F 18.6	R 00.1		U 0.04	U 110
			2.C	F 18.5	R 00.1		U 0.04	U 320
			4.C	F 18.4	R 00.1		U 0.04	U 140
20/10/69	16.0	7.C	C.C	F 18.8	R 00.1		U 0.48	U 320
			2.C	F 18.6	R 00.1		U 0.50	U 310
			4.C	F 18.4	R 00.1		U 0.53	U 310
			6.C	F 18.4	R 00.1		U 0.46	U 310

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STATION M(9.4)A (CONTINUED)

LATITUDE 37DEGREES 36.9MINUTES NORTH, LONGITUDE 76DEGREES 51.3MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	17.0	7.0	C.C	H 18.5	R 00.1		U 0.56	U 320
			2.C	H 18.4	R 00.1		U 0.56	U 320
			4.C	H 18.4	R 00.1		U 0.56	U 320
			6.C	H 18.3	R 00.1		U 0.56	U 320
20/10/69	18.0	7.0	C.C	H 18.5	R 00.1		U 0.44	U 320
			2.C	H 18.4	R 00.1		U 0.44	U 320
			4.C	H 18.4	R 00.2		U 0.50	U 310
			6.C	H 18.4	R 00.2		U 0.44	U 320
20/10/69	19.0	7.0	C.C	H 18.5	R 00.3		U 0.39	U 310
			2.C	H 18.5	R 00.3		U 0.39	U 310
			4.C	H 18.5	R 00.3		U 0.44	U 310
			6.C	H 18.5	R 00.3		U 0.32	U 310
20/10/69	20.0	7.0	C.C	F 18.6	R 00.5		U 0.34	U 310
			2.C	H 18.5	R 00.5		U 0.32	U 290
			4.C	H 18.5	R 00.5		U 0.30	U 310
			6.C	H 18.5	R 00.5		U 0.24	U 310
20/10/69	21.0	3.0	C.C	H 18.6	R 00.5		U 0.14	U 140
			2.C	F 18.6	R 00.5		U 0.13	U 140
20/10/69	22.0	5.0	C.C	F 18.6	R 00.4		U 0.36	U 110
			2.C	F 18.5	R 00.4		U 0.46	U 100
			4.C	F 18.5	R 00.4		U 0.46	U 120
20/10/69	23.0	6.0	C.C	H 18.7	R 00.3		U 0.40	U 110
			2.C	F 18.7	R 00.3		U 0.56	U 120
			4.C	H 18.5	R 00.3		U 0.50	U 120
			6.C	H 18.5	R 00.3		U 0.31	U 130
21/10/69	0.0	5.0	C.C	F 18.6	R 00.1		U 0.44	U 110
			2.C	F 18.6	R 00.1		U 0.50	U 120
			4.C	F 18.6	R 00.1		U 0.50	U 120
21/10/69	1.0	5.0	C.C	H 18.6	R 00.1		U 0.38	U 120
			2.C	H 18.6	R 00.1		U 0.35	U 120
			4.C	F 18.6	R 00.1		U 0.31	U 120
21/10/69	2.0	5.0	C.C	H 18.5	R 00.1		U 0.31	U 120
			2.C	F 18.5	R 00.1		U 0.29	U 120
			4.C	H 18.6	R 00.1		U 0.31	U 120

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STATION M(9.4)A (CONTINUED)

LATITUDE 37DEGREES 36.9MINUTES NORTH, LONGITUDE 76DEGREES 51.3MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	3.0	5.0	C.C	F 18.6	R 00.1		U 0.31	U 120
			2.C	F 18.5	R 00.1		U 0.31	U 110
			4.C	F 18.5	R 00.1		U 0.29	U 120
21/10/69	4.0	5.0	C.C	F 18.5	R 00.1		U 0.23	U 100
			2.C	F 18.5	R 00.1		U 0.21	U 100
			4.C	F 18.5	R 00.1		U 0.10	U 120
21/10/69	5.0	7.0	C.C	F 18.5	R 00.1		U 0.21	U 310
			2.C	F 18.4	R 00.1		U 0.48	U 300
			4.C	F 18.4	R 00.1		U 0.44	U 300
			6.C	F 18.4	R 00.1		U 0.38	U 300
21/10/69	6.0	6.0	C.C	F 18.3	R 00.1		U 0.56	U 320
			2.C	F 18.3	R 00.1		U 0.56	U 310
			4.C	F 18.3	R 00.1		U 0.50	U 310
21/10/69	7.0	6.0	C.C	F 18.3	R 00.1		U 0.69	U 310
			2.C	F 18.3	R 00.1		U 0.56	U 320
			4.C	F 18.3	R 00.1		U 0.56	U 320
21/10/69	8.0	6.0	C.C	F 18.4	R 00.2		U 0.19	U 340
			2.C	F 18.4	R 00.4		U 0.19	U 310
			4.C	F 18.4			U 0.31	U 320

STATION M(9.4)B

LATITUDE 37DEGREES 36.8MINUTES NORTH, LONGITUDE 76DEGREES 51.4MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	MCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.0	8.0	0.0	H 17.6	R 00.3	B 6.3	U 0.28	U 320
			2.0	H 17.8	R 00.3		U 0.27	U 320
			4.0	H 18.0	R 00.3		U 0.32	U 320
			6.0	H 18.0	R 00.3		U 0.26	U 320
			8.0	H 18.0	R 00.3		U 0.19	U 320
20/10/69	8.0	9.0	0.0	H 18.0	R 00.3	B 6.4	U 0.08	U 250
			2.0	H 18.1	R 00.3		U 0.13	U 320
			4.0	H 18.1	R 00.4		U 0.11	U 320
			6.0	H 18.1	R 00.4		U 0.02	U 270
			8.0	H 18.1	R 00.4		U 0.12	U 320
20/10/69	9.0	9.0	0.0	H 18.3	R 00.3	B 6.5	U 0.42	U 110
			2.0	H 18.2	R 00.3		U 0.42	U 120
			4.0	H 18.2	R 00.3		U 0.12	U 120
			6.0	H 18.2	R 00.3		U 0.14	U 130
			8.0	H 18.2	R 00.3		U 0.12	U 140
20/10/69	10.0	10.0	0.0	H 19.0	R 00.2	B 6.6	U 0.58	U 110
			2.0	H 18.5	R 00.2		U 0.50	U 120
			4.0	H 18.3	R 00.2		U 0.41	U 130
			6.0	H 18.2	R 00.2		U 0.39	U 130
			8.0	H 18.1	R 00.2		U 0.26	U 120
20/10/69	11.0	9.0	0.0	H 19.0	R 00.1	B 6.8	U 0.58	U 110
			2.0	H 18.5	R 00.1		U 0.60	U 120
			4.0	H 18.0	R 00.1		U 0.45	U 130
			6.0	H 18.0	R 00.1		U 0.46	U 130
			8.0	H 18.0	R 00.1		U 0.36	U 130
20/10/69	12.0	9.0	0.0	H 18.2	R 00.1	B 6.8	U 0.48	U 120
			2.0	H 18.2	R 00.1		U 0.60	U 120
			4.0	H 18.2	R 00.1		U 0.46	U 120
			6.0	H 18.1	R 00.1		U 0.38	U 140
			8.0	H 18.1	R 00.1		U 0.33	U 140
20/10/69	13.0	9.0	0.0	H 18.3	R 00.1		U 0.55	U 110
			2.0	H 18.2	R 00.1		U 0.40	U 110
			4.0	H 18.2	R 00.1		U 0.39	U 110
			6.0	H 18.2	R 00.1		U 0.36	U 110
			8.0	H 18.2	R 00.1		U 0.18	U 130

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STATION M(9.4)B (CONTINUEC)

LATITUDE 37DEGREES 36.8MINUTES NORTH, LONGITUDE 76DEGREES 51.4MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	14.0	9.C	C.C	F 18.7	R 00.1		U 0.33	U 110
			2.C	H 18.5	R 00.1	B 6.8	U 0.36	U 120
			4.C	H 18.3	R 00.1		U 0.26	U 110
			6.C	F 18.3	R 00.1		U 0.20	U 120
			8.C	H 18.3	R 00.1		U 0.12	U 130
20/10/69	15.0	8.C	C.C	F 18.5	R 00.1		U 0.04	U 030
			2.C	H 18.4	R 00.1	B 6.7	U 0.20	U 320
			4.C	F 18.4	R 00.1		U 0.05	U 250
			6.C	H 18.3	R 00.1		U 0.10	U 340
			8.C	H 18.3	R 00.1		U 0.17	U 290
20/10/69	16.0	8.C	C.C	F 18.5	R 00.1		U 0.50	U 310
			2.C	F 18.4	R 00.1	B 6.8	U 0.48	U 310
			4.C	F 18.3	R 00.1		U 0.48	U 310
			6.C	H 18.3	R 00.1		U 0.45	U 310
			8.C	H 18.2	R 00.1		U 0.40	U 310
20/10/69	17.0	9.C	C.C	F 18.4	R 00.1		U 0.45	U 310
			2.C	F 18.3	R 00.1	B 6.6	U 0.45	U 310
			4.C	F 18.3	R 00.1		U 0.48	U 310
			6.C	F 18.2	R 00.1		U 0.56	U 310
			8.C	H 18.2	R 00.1		U 0.56	U 310
20/10/69	18.0	7.C	C.C	F 18.6			U 0.56	U 310
			2.C	H 18.4	R 00.2	B 6.8	U 0.56	U 290
			4.C	F 18.3	R 00.2		U 0.56	U 290
			6.C	F 18.4	R 00.2		U 0.44	U 300
20/10/69	19.0	7.C	C.C	F 18.5	R 00.3		U 0.44	U 310
			2.C	F 18.5	R 00.3	B 5.1	U 0.44	U 290
			4.C	F 18.4	R 00.3		U 0.45	U 300
			6.C	F 18.4	R 00.3		U 0.44	U 300
20/10/69	20.0	7.C	C.C	F 18.7	R 00.4		U 0.36	U 310
			2.C	H 18.6	R 00.5	B 6.4	U 0.40	U 290
			4.C	F 18.6	R 00.5		U 0.36	U 300
			6.C	F 18.5	R 00.5		U 0.35	U 300
20/10/69	21.0	7.C	C.C	F 18.7	R 00.6		U 0.08	U 060
			2.C	F 18.6	R 00.6	B 6.6	U 0.07	U 140
			4.C	F 18.6	R 00.6		U 0.25	U 330
			6.C	F 18.6	R 00.5		U 0.07	U 190

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STATION M(9.4)B (CONTINUED)

LATITUDE 37DEGREES 36.8MINUTES NORTH, LONGITUDE 76DEGREES 51.4MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	22.0	7.0	C.C	H 18.6	R 00.5	B 6.4	U 0.37	U 110
			2.C	H 18.6	R 00.5		U 0.27	U 130
			4.C	H 18.6	R 00.5		U 0.21	U 120
			6.C	H 18.6	R 00.5		U 0.20	U 100
20/10/69	23.0	7.0	C.C	H 18.5	R 00.3	B 6.6	U 0.50	U 120
			2.C	H 18.5	R 00.3		U 0.48	U 120
			4.C	H 18.5	R 00.2		U 0.44	U 120
			6.C	H 18.5	R 00.2		U 0.39	U 130
21/10/69	0.0	7.0	C.C	H 18.5	R 00.1	B 6.9	U 0.49	U 110
			2.C	H 18.5	R 00.1		U 0.31	U 120
			4.C	H 18.5	R 00.1		U 0.50	U 120
			6.C	H 18.5	R 00.1		U 0.31	U 120
21/10/69	1.0	7.0	C.C	H 18.5	R 00.1	B 6.9	U 0.31	U 120
			2.C	H 18.5	R 00.1		U 0.44	U 120
			4.C	H 18.4	R 00.1		U 0.44	U 120
			6.C	H 18.5	R 00.1		U 0.38	U 120
21/10/69	2.0	7.0	C.C	H 18.5	R 00.1	B 6.9	U 0.38	U 130
			2.C	H 18.5	R 00.1		U 0.50	U 120
			4.C	H 18.5	R 00.1		U 0.44	U 130
			6.C	H 18.4	R 00.1		U 0.31	U 120
21/10/69	3.0	7.0	C.C	H 18.5	R 00.1	B 6.9	U 0.50	U 100
			2.C	H 18.4	R 00.1		U 0.30	U 110
			4.C	H 18.5	R 00.1		U 0.31	U 130
			6.C	H 18.5	R 00.1		U 0.23	U 110
21/10/69	4.0	7.0	C.C	H 18.5	R 00.1	B 6.9	U 0.50	U 120
			2.C	H 18.4	R 00.1		U 0.44	U 120
			4.C	H 18.4	R 00.1		U 0.31	U 120
			6.C	H 18.4	R 00.1		U 0.38	U 120
21/10/69	5.0	5.0	C.C	H 18.4	R 00.1		U 0.37	U 340
			2.C	H 18.4	R 00.1		U 0.42	U 320
			4.C	H 18.4	R 00.1		U 0.39	U 310
21/10/69	6.0	7.0	C.C	H 18.3	R 00.1	B 6.8	U 0.56	U 300
			2.C	H 18.3	R 00.1		U 0.56	U 290
			4.C	H 18.3	R 00.1		U 0.56	U 300
			6.C	H 18.3	R 00.1		U 0.46	U 300

(CONTINUED)

STATION M(9.4)B (CONTINUED)

LATITUDE 37DEGREES 36.8MINUTES NORTH, LONGITUDE 76DEGREES 51.4MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	7.0	7.0	0.0	F 18.3	R 00.1	B 6.8	L 0.44	U 300
			2.0	F 18.3	R 00.2		U 0.44	U 300
			4.0	F 18.3	R 00.1		U 0.44	U 290
			6.0	F 18.2	R 00.1		U 0.44	U 290
21/10/69	8.0	7.0	0.0	F 18.4	R 00.2	B 6.8	L 0.31	U 290
			2.0	F 18.4	R 00.1		L 0.31	U 310
			4.0	F 18.4	R 00.2		U 0.31	U 310
			6.0	F 18.4	R 00.2		L 0.44	U 300

STATION M(5.7)A

LATITUDE 37DEGREES 35.4MINUTES NORTH, LONGITUDE 76DEGREES 49.2MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.5	6.0	0.0	H 18.3	R 02.7		A 0.06	A 350
			2.0	H 18.4	R 02.7	B 6.1	A 0.14	A 360
			4.0	H 18.4	R 02.9		A 0.15	A 100
			6.0	H 18.5			A 0.13	A 350
20/10/69	9.0	5.0	0.0	H 18.5	R 02.6		F 0.42	L 130
			2.0	H 18.4	R 02.9	B 6.2	F 0.43	
			4.0	H 18.4	R 03.1		F 0.43	
			5.0	H 18.4	R 03.1		F 0.43	
20/10/69	10.0	5.0	0.0	H 18.6			F 0.53	L 110
			2.0	H 18.4	R 02.3	B 6.2	F 0.83	
			4.0	H 18.4	R 02.7		F 0.59	
			5.0	H 18.4	R 02.8		F 0.69	
20/10/69	11.0	4.0	0.0	H 18.6	R 01.4		F 0.72	L 070
			2.0	H 18.5	R 01.4	B 6.2	F 0.98	
			4.0	H 18.4			F 0.78	
20/10/69	12.0	5.0	0.0	H 18.6	R 00.7		F 0.68	L 130
			2.0	H 18.5		B 6.5	F 1.01	
			4.0	H 18.4	R 00.9		F 0.71	
			5.0	H 18.4			F 0.71	
20/10/69	13.0	4.0	0.0	H 18.6	R 00.4		F 0.61	L 070
			2.0	H 18.5	R 00.4	B 6.4	F 0.64	
			4.0	H 18.4	R 00.2		F 0.58	
20/10/69	14.0	4.0	0.0	H 18.5	R 00.1		F 0.37	L 070
			2.0	H 18.5	R 00.1	B 6.5	F 0.32	
			4.0	H 18.4	R 00.1		F 0.25	
20/10/69	15.0	2.0	0.0	H 18.7	R 00.1		F 0.16	L 250
			2.0	H 18.6	R 00.1	B 6.4	F 0.30	
20/10/69	16.0	3.0	0.0	H 18.7	R 00.4		F 0.59	L 300
			2.0	H 18.6	R 00.4	B 6.5	F 0.62	
			3.0	H 18.6	R 00.4		F 0.59	
20/10/69	17.2	5.0	0.0	H 18.7	R 00.8		A 0.70	A 330
			2.0	H 18.7		B 6.6	A 0.70	A 320
			4.0	H 18.7	R 00.9		A 0.55	A 320

(CONTINUED)

STATION M(5.7)A (CONTINUED)

LATITUDE 37DEGREES 35.4MINUTES NORTH, LONGITUDE 76DEGREES 49.2MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	18.0	5.0	C.C	H 18.8	R 01.2	B 6.4	A 0.55	A 340
			2.C	H 18.8	R 01.7		A 0.65	A 310
			4.C	H 18.7	R 01.8		A 0.50	A 310
20/10/69	19.0	5.0	C.C	H 18.9	R 01.3	B 6.7	A 0.39	A 330
			2.C	H 18.8	R 02.8		A 0.48	A 320
			4.C	H 18.8	R 02.8		A 0.43	A 320
20/10/69	20.0	5.0	C.C	H 18.8	R 03.0	B 6.8	A 0.20	A 340
			2.C	H 18.8	R 03.4		A 0.25	A 320
			4.C	H 18.8	R 03.5		A 0.20	A 320
20/10/69	21.0	4.0	C.C	H 18.9	R 03.1	B 6.8	A 0.08	A 80
			2.C	H 18.9	R 03.4		A 0.03	A 150
			3.C	H 18.8	R 03.7		A 0.10	A 170
20/10/69	22.0	5.0	C.C	H 19.9	R 03.3	B 6.9	A 0.47	A 110
			2.C	H 19.9	R 03.4		A 0.43	A 140
			4.C	H 19.9	R 03.5		A 0.31	A 140
20/10/69	23.0	5.0	C.C	H 18.8	R 02.5	B 6.5	A 0.78	A 110
			2.C	H 18.8	R 02.7		A 0.70	A 140
			4.C	H 18.8	R 03.0		A 0.50	A 140
21/10/69	0.0	5.0	C.C	H 18.9	R 01.5	B 6.3	A 0.80	A 130
			2.C	H 18.8	R 01.5		A 0.80	A 140
			4.C	H 18.8	R 01.6		A 0.65	A 130
21/10/69	1.1	5.0	C.C	H 18.7	R 00.8	B 6.4	A 0.75	A 120
			2.C	H 18.7	R 00.8		A 0.65	A 120
			4.C	H 18.7	R 00.8		A 0.42	A 120
21/10/69	2.0	5.0	C.C	H 18.6	R 00.5	B 5.5	A 0.55	A 130
			2.C	H 18.6	R 00.5		A 0.55	A 140
			4.C	H 18.6	R 00.5		A 0.37	A 130
21/10/69	3.0	5.0	C.C	H 18.5	R 00.3	B 6.6	A 0.38	A 120
			2.C	H 18.5	R 00.4		A 0.22	A 120
			4.C	H 18.5	R 00.4		A 0.20	A 130
21/10/69	4.0	5.0	C.C	H 18.5	R 00.3	B 6.4	A 0.15	A 20
			2.C	H 18.5	R 00.3		A 0.12	A 310
			4.C	H 18.5	R 00.3		A 0.08	A 340

(CONTINUED)

STATION M(5.7)A (CONTINUED)

LATITUDE 37DEGREES 35.4MINUTES NORTH, LONGITUDE 76DEGREES 49.2MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	5.0	5.0	C.C	H 18.5	R 00.4	B 7.0	A 0.46	A 340
			2.C	H 18.6			A 0.46	A 320
			4.C	H 18.6	R 00.4		A 0.41	A 350
21/10/69	6.0	4.0	C.C	H 18.7	R 00.6	B 6.6	A 0.68	A 350
			2.C	H 18.7	R 00.8		A 0.68	A 300
			4.C	H 18.7	R 00.9		A 0.37	A 330
21/10/69	7.0	5.0	C.C	H 18.7	R 01.3	B 7.2	A 0.50	A 330
			2.C	H 18.7	R 01.4		A 0.65	A 320
			4.C	H 18.7	R 01.6		A 0.55	A 330
21/10/69	8.0	5.0	C.C	H 18.7	R 02.0	B 7.9	A 0.34	A 320
			2.C	H 18.7	R 02.0		A 0.35	A 320
			4.C	H 18.7	R 02.4		A 0.41	A 310
			5.C	H 18.7	R 02.4		A 0.46	A 320

STATION M(5.7)B

LATITUDE 37DEGREES 35.3MINUTES NORTH, LONGITUDE 76DEGREES 49.3MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	8.7	9.0	C.C	H 18.4	R 02.7		F 0.26	L 060
			2.C	H 18.3	R 03.0		F 0.30	L 060
			4.C	H 18.3	R 03.1		F 0.16	
			6.C	H 18.3	R 03.2		F 0.18	
			8.C	H 18.3	R 03.3		F 0.18	
			9.C	H 18.3	R 03.3		F 0.18	
20/10/69	9.3	9.0	C.C	H 18.5	R 02.2		F 0.76	L 100
			2.C	H 18.4	R 02.5		F 0.76	
			4.C	H 18.4	R 02.9		F 0.35	
			6.C	H 18.4	R 03.1		F 0.34	
			8.C	H 18.4	R 03.2		F 0.30	
			9.C	H 18.4	R 03.2		F 0.30	
20/10/69	10.3	9.0	C.C	H 18.5	R 01.9		F 0.71	L 060
			2.C	H 18.4	R 01.8		F 0.71	
			4.C	H 18.4	R 01.9		F 0.71	
			6.C	H 18.4	R 02.0		F 0.71	
			8.C	H 18.4	R 03.0		F 0.64	
			9.C	H 18.4	R 02.0		F 0.55	
20/10/69	11.1	9.0	C.C	H 18.5	R 01.2		F 0.74	L 060
			2.C	H 18.5	R 01.2		F 0.88	
			4.C	H 18.5			F 0.86	
			6.C	H 18.5	R 01.2		F 0.80	
			8.C	H 18.4	R 01.2		F 0.80	
			9.C	H 18.4	R 01.2		F 0.67	
20/10/69	12.2	8.0	C.C	H 18.5	R 00.7		F 0.71	L 100
			2.C	H 18.5	R 00.7		F 0.68	
			4.C	H 18.5			F 0.64	
			6.C	H 18.5	R 00.7		F 0.62	
			8.C	H 18.5			F 0.47	
20/10/69	13.2	8.0	C.C	H 18.6			F 0.59	L 060
			2.C	H 18.5	R 00.1		F 0.58	
			4.C	H 18.5	R 00.1		F 0.55	
			6.C	H 18.4	R 00.2		F 0.42	
			8.C	H 18.4	R 00.2		F 0.41	
20/10/69	14.2	8.0	C.C	H 18.5	R 00.0		F 0.36	L 090
			2.C	H 18.5	R 00.3		F 0.30	
			4.C	H 18.4			F 0.30	
			6.C	H 18.4	R 00.0		F 0.19	
			8.C	H 18.4	R 00.3		F 0.19	

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STATION M(5.7)B (CONTINUED)

LATITUDE 37DEGREES 35.3MINUTES NORTH, LONGITUDE 76DEGREES 49.3MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	15.2	8.0	0.0	H 18.6	R 00.3		F 0.25	L 250
			2.0	H 18.5			F 0.30	
			4.0	H 18.4			F 0.39	
			6.0	H 18.4	R 00.3		F 0.47	
			8.0	H 18.4	R 00.5		F 0.50	
20/10/69	16.2	8.0	0.0	H 18.6	R 00.2		F 0.75	L 300
			2.0	H 18.6	R 00.5		F 0.82	
			4.0	H 18.6			F 0.88	
			6.0	H 18.6			F 0.78	
			8.0	H 18.6	R 00.2		F 0.64	
20/10/69	17.4	8.0	0.0	H 18.7	R 00.9		A 0.80	A 320
			2.0	H 18.7	R 01.0		A 0.75	A 320
			4.0	H 18.7	R 00.1		A 0.70	A 310
			6.0	H 18.7	R 00.1		A 0.55	A 320
			7.0	H 18.7	R 01.1		A 0.60	A 330
20/10/69	18.1	7.0	0.0	H 18.7	R 01.4		A 0.75	A 320
			2.0	H 18.7	R 01.8		A 0.75	A 320
			4.0	H 18.7	R 01.9		A 0.60	A 310
			6.0	H 18.7	R 01.9		A 0.65	A 310
20/10/69	19.1	8.0	0.0	H 18.9	R 02.5		A 0.65	A 320
			2.0	H 18.8	R 02.8		A 0.60	A 330
			4.0	H 18.8	R 02.9		A 0.50	A 320
			6.0	H 18.8	R 02.9		A 0.46	A 320
			7.0	H 18.8	R 02.9		A 0.39	A 320
20/10/69	20.0	8.0	0.0	H 18.8	R 03.1		A 0.39	A 320
			2.0	H 18.8	R 03.4		A 0.36	A 330
			4.0	H 18.8	R 03.5		A 0.39	A 310
			6.0	H 18.8	R 03.6		A 0.29	A 320
			7.0	H 18.8	R 03.6		A 0.26	A 310
20/10/69	21.0	8.0	0.0	H 19.9	R 03.6		A 0.18	A 300
			2.0	H 19.9	R 03.7		A 0.12	A 300
			4.0	H 19.9	R 03.8		A 0.06	A 310
			6.0	H 19.9	R 03.9		A 0.05	A 340
			7.0	H 19.9	R 04.0		A 0.06	A 30

(CONTINUED)

STATION M(5.7)B (CONTINUED)

LATITUDE 37DEGREES 35.3MINUTES NORTH, LONGITUDE 76DEGREES 49.3MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	22.2	8.0	0.0	H 19.9	R 02.9		A 0.55	A 120
			2.0	H 19.8	R 03.1		A 0.55	A 130
			4.0	H 19.8	R 03.5		A 0.41	A 120
			6.0	H 19.8	R 03.7		A 0.25	A 120
			7.0	H 19.8	R 03.7		A 0.20	A 140
20/10/69	23.1	9.0	0.0	F 18.8	R 02.4		A 0.75	A 120
			2.0	F 18.8	R 02.4		A 0.65	A 130
			4.0	F 18.8	R 02.4		A 0.55	A 140
			6.0	H 18.8	R 02.4		A 0.46	A 130
			8.0	H 18.8	R 02.3		A 0.42	A 130
21/10/69	0.2	8.0	0.0	F 18.7	R 01.4		A 0.75	A 120
			2.0	F 18.7	R 01.4		A 0.70	A 130
			4.0	F 18.7	R 01.4		A 0.65	A 140
			6.0	F 18.7	R 01.4		A 0.50	A 140
			7.0	H 18.7	R 01.4		A 0.41	A 130
21/10/69	1.0	8.0	0.0	F 18.7	R 00.8		A 0.68	A 120
			2.0	F 18.7			A 0.60	A 130
			4.0	F 18.7			A 0.55	A 130
			6.0	F 18.6	R 00.8		A 0.44	A 120
			7.0	H 18.6	R 00.7		A 0.37	A 140
21/10/69	2.1	8.0	0.0	F 18.6	R 00.5		A 0.55	A 110
			2.0	F 18.6	R 00.5		A 0.60	A 140
			4.0	F 18.6	R 00.5		A 0.45	A 120
			6.0	F 18.6	R 00.5		A 0.32	A 120
			7.0	H 18.6	R 00.5		A 0.19	A 120
21/10/69	3.1	7.0	0.0	F 18.5	R 00.3		A 0.34	A 110
			2.0	F 18.5	R 00.3		A 0.28	A 120
			4.0	F 18.5	R 00.3		A 0.24	A 130
			6.0	F 18.5	R 00.3		A 0.21	A 160
21/10/69	4.1	8.0	0.0	H 18.5	R 00.3		A 0.14	A 30
			2.0	F 18.5	R 00.3		A 0.14	A 350
			4.0	H 18.5	R 00.3		A 0.15	A 340
			6.0	H 18.5	R 00.3		A 0.12	A 340
			7.0	H 18.5	R 00.3		A 0.11	A 330

(CONTINUED)

STATION M(5.7)B (CONTINUED)

LATITUDE 37DEGREES 35.3MINUTES NORTH, LONGITUDE 76DEGREES 49.3MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	5.1	8.0	C.C	H 18.6	R 00.4		A 0.60	A 330
			2.C	H 18.6	R 00.4		A 0.60	A 320
			4.C	H 18.6	R 00.4		A 0.60	A 330
			6.C	H 18.6	R 00.4		A 0.50	A 310
			7.C	H 18.6	R 00.4		A 0.46	A 330
21/10/69	6.5	7.0	C.C	H 18.6	R 01.0		A 0.75	A 320
			2.C	H 18.7	R 01.0		A 0.75	A 330
			4.C	H 18.7	R 01.1		A 0.65	A 310
			6.C	H 18.7	R 01.1		A 0.63	A 320
21/10/69	7.2	7.0	C.C	H 18.7	R 01.4		A 0.63	A 350
			2.C	H 18.7	R 01.5		A 0.58	A 320
			4.C	H 18.7	R 01.5		A 0.63	A 320
			6.C	H 18.7	R 01.6		A 0.50	A 70
			7.C	H 18.7	R 01.6		A 0.23	A 320
21/10/69	8.2	7.0	C.C	H 18.7	R 02.0		A 0.40	A 320
			2.C	H 18.7	R 02.2		A 0.47	A 340
			4.C	H 18.7	R 02.4		A 0.38	A 320
			6.C	H 18.8	R 02.5		A 0.33	A 320
			7.C	H 18.8	R 02.5		A 0.33	A 320

STATION M(3.8)A

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 47.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.0	5.0	1.0	F 18.2	R 03.8			Y 360
			2.0	F 18.3	R 04.6		Y 0.13	Y 070
			4.0		R 05.0		Y 0.03	Y 050
20/10/69	8.3	4.0	C.C	F 18.3	R 04.6		Y 0.16	Y 200
			2.0	H 18.2	R 04.8		Y 0.13	Y 280
			3.5	F 18.2	R 05.4		Y 0.05	Y 210
20/10/69	9.0	4.0	C.C	H 18.4	R 04.6		Y 0.36	Y 240
			2.0	H 18.4	R 04.6		Y 0.36	Y 230
			3.0	F 18.4	R 05.0		Y 0.26	Y 230
20/10/69	10.0	3.0	C.C	H 18.5	R 03.7		Y 0.56	Y 220
			2.0	F 18.4	R 03.7		Y 0.50	Y 240
			2.5	F 18.4	R 04.0		Y 0.41	Y 240
20/10/69	11.0	3.0	C.C	H 18.5	R 02.7		Y 0.63	Y 230
			2.0	H 18.5	R 02.7		Y 0.63	Y 240
20/10/69	12.0	3.0	C.C	H 18.6	R 02.2		Y 0.63	Y 240
			2.0	F 18.5	R 02.2		Y 0.50	Y 240
20/10/69	13.0	3.0	C.C	F 18.5	R 01.4		Y 0.56	Y 260
			2.0	F 18.5	R 01.4		Y 0.39	Y 250
20/10/69	14.0	3.0	C.C	F 18.5	R 01.0		Y 0.26	Y 240
			2.0	H 18.4	R 01.0		Y 0.17	Y 230
20/10/69	15.0	4.0	C.C	F 18.6	R 01.0		Y 0.22	Y 070
			2.0	F 18.6	R 01.0		Y 0.22	Y 040
			3.0	F 18.5	R 01.0		Y 0.23	Y 040
20/10/69	16.0	4.0	C.C	F 18.8	R 01.2		Y 0.50	Y 050
			2.0	F 18.6	R 01.3		Y 0.43	Y 050
			3.0	F 18.5	R 01.8		Y 0.30	Y 050
20/10/69	17.5	5.0	C.C	F 18.7	R 03.0		Y 0.63	L 030
			2.0	F 18.8	R 03.1		Y 0.50	
			4.0	F 18.8	R 03.1		Y 0.38	
20/10/69	18.0	5.0	C.C	F 19.0	R 03.6		Y 0.50	L 030
			2.0	F 18.8	R 03.6		Y 0.63	
			4.0	F 18.8	R 03.8		Y 0.30	

(CONTINUED)

STATION M(3.8)A (CONTINUED)

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 47.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	19.0	5.0	0.0	H 19.3	R 03.6		Y 0.40	L 030
			2.0	H 19.0	R 04.7		Y 0.31	
			4.0	H 19.0	R 04.9		Y 0.21	
20/10/69	20.0	5.0	0.0	H 19.1	R 05.3		Y 0.15	L 030
			2.0	H 19.0	R 05.6		Y 0.23	
			4.0	H 19.0	R 05.6		Y 0.13	
20/10/69	21.0	4.0	0.0	H 19.2	R 05.4		Y 0.06	L 030
			2.0	H 19.0	R 05.8		Y 0.06	
			3.0	H 19.0	R 06.1		Y 0.05	
20/10/69	22.0	4.0	0.0	H 19.3	R 05.3		Y 0.30	L 210
			2.0	H 19.1	R 05.4		Y 0.43	
			4.0	H 19.0	R 05.7		Y 0.30	
20/10/69	23.0	4.0	0.0	H 19.1	R 04.2		Y 0.75	L 210
			2.0	H 19.0	R 04.3		Y 0.63	
			3.0	H 18.9	R 04.3		Y 0.50	
21/10/69	0.0	4.0	0.0	H 19.3	R 03.5		Y 0.70	L 210
			2.0	H 19.9	R 03.7		Y 0.61	
			3.0	H 19.8	R 03.3		Y 0.50	
21/10/69	1.0	4.0	0.0	H 19.2	R 02.5		Y 0.65	L 210
			2.0	H 18.8	R 02.3		Y 0.50	
			3.0	H 18.8	R 02.3		Y 0.63	
21/10/69	2.0	4.0	0.0	H 19.0	R 01.5		Y 0.38	L 210
			2.0	H 19.0	R 01.5		Y 0.43	
			3.0	H 19.0	R 01.6			
21/10/69	3.0	3.0	0.0	H 19.3	R 01.1		Y 0.25	L 210
			2.0	H 18.8	R 01.3		Y 0.38	
21/10/69	4.0	3.0	0.0	H 19.2	R 00.9		Y 0.05	L 030
			2.0	H 18.8	R 00.9		Y 0.10	
21/10/69	5.0	3.0	0.0	H 18.8	R 01.2		Y 0.36	L 030
			2.0	H 18.8	R 01.2		Y 0.38	
21/10/69	6.0	3.0	0.0	H 18.7	R 02.4		Y 0.50	L 030
			2.0	H 18.7	R 02.3		Y 0.50	

(CONTINUED)

STATION M(3.8)A (CONTINUED)

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 47.8MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	7.0	4.0	C.C	H 18.7	R 03.1		Y 0.50	Y 060
			2.C	H 18.8	R 03.1		Y 0.38	Y 040
			3.C	H 18.8	R 03.1		Y 0.38	Y 040
21/10/69	8.0	4.0	C.C	H 18.6	R 03.2		Y 0.08	Y 080
			2.C	H 18.8	R 03.8		Y 0.18	Y 040
			3.C	H 18.8	R 04.0		Y 0.31	Y 070

STATION M(3.8)B

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 47.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	7.7	4.0	C.0		R 04.3		Y 0.13	Y 360
			2.0	H 18.3	R 04.8	B 6.9	Y 0.10	Y 090
			4.0	H 18.3	R 05.5		Y 0.05	Y 070
20/10/69	8.5	5.0	C.0	H 18.2	R 04.6		Y 0.20	Y 200
			2.0	H 18.3	R 04.8	B 6.5	Y 0.16	Y 230
			4.0	H 18.3	R 05.4		Y 0.10	Y 250
20/10/69	9.2	5.0	C.0	H 18.4	R 04.4		Y 0.44	Y 230
			2.0	H 18.3	R 04.4	B 7.0	Y 0.45	Y 250
			4.0	F 18.3	R 04.9		Y 0.24	Y 250
20/10/69	10.2	5.0	C.0	H 18.5	R 03.4		Y 0.69	Y 240
			2.0	F 18.4	R 03.4	B 6.5	Y 0.56	Y 240
			4.0	F 18.4	R 03.9		Y 0.36	Y 250
20/10/69	11.2	4.0	C.0	H 18.6	R 02.7		Y 0.63	Y 220
			2.0	H 18.5	R 02.8	B 6.5	Y 0.56	Y 230
			3.5	F 18.4	R 03.1		Y 0.40	U 230
20/10/69	12.1	4.0	C.0	H 18.7	R 02.0		Y 0.63	Y 240
			2.0	H 18.6	R 02.0	B 6.6	Y 0.56	Y 230
			3.5	H 18.5	R 02.3		Y 0.33	Y 240
20/10/69	13.2	4.0	C.0	F 18.7	R 01.3		Y 0.50	Y 250
			2.0	H 18.4	R 01.3		Y 0.43	Y 250
			3.0		R 01.3		Y 0.41	Y 260
20/10/69	14.2	4.0	C.0	F 18.6	R 00.9		Y 0.33	Y 210
			2.0	H 18.5	R 00.9	B 6.5	Y 0.16	Y 280
			3.0	F 18.4	R 01.0		Y 0.06	Y 270
20/10/69	15.2	4.0	C.0	F 18.6	R 01.0		Y 0.34	Y 050
			2.0	H 18.5	R 01.1		Y 0.34	Y 040
			3.5	F 18.4	R 01.3		Y 0.25	Y 050
20/10/69	16.3	5.0	C.0	H 19.2	R 01.7		Y 0.63	Y 050
			2.0	F 18.7	R 01.8	B 6.6	Y 0.63	Y 050
			4.0	F 18.5	R 02.2		Y 0.43	Y 050
20/10/69	18.2	5.0	C.0	H 19.0	R 03.9		Y 0.22	L 030
			2.0	H 18.8	R 04.1	B 6.8	Y 0.55	
			4.0	H 18.7	R 04.1		Y 0.30	

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STATION M(3.8)B (CONTINUED)

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 47.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	18.6	5.0	0.0	H 19.0	R 03.3	B 7.5	Y 0.75	L 030
			2.0	H 18.8	R 03.6		Y 0.65	
			4.0	H 18.7	R 03.7		Y 0.33	
20/10/69	19.2	5.0	0.0	H 19.2	R 05.2	B 6.8	Y 0.50	L 030
			2.0	H 19.0			Y 0.56	
			4.0	H 19.0			Y 0.25	
20/10/69	20.2	4.0	0.0	H 19.1	R 05.7	B 6.7	Y 0.25	L 030
			2.0	H 19.0	R 05.8		Y 0.25	
			3.0	H 19.0	R 05.9		Y 0.15	
20/10/69	21.2	4.0	0.0	H 19.3	R 05.5	B 6.7	Y 0.18	L 030
			2.0	H 19.0	R 05.7		Y 0.15	
			3.0	H 19.0	R 05.0		Y 0.10	
20/10/69	22.2	4.0	0.0	H 19.3	R 05.0	B 7.1	Y 0.50	L 210
			2.0	H 19.1	R 05.2		Y 0.50	
			3.0	H 19.0	R 05.5		Y 0.50	
20/10/69	23.2	4.0	0.0	H 19.7	R 03.9	B 6.8	Y 0.63	L 220
			2.0	H 19.0	R 04.3		Y 0.39	
			3.0	H 19.0	R 04.7		Y 0.35	
21/10/69	0.2	4.0	0.0	H 19.3	R 03.3	B 6.8	Y 0.55	L 220
			2.0	H 18.9	R 03.3		Y 0.43	
			3.0	H 18.9	R 03.3		Y 0.35	
21/10/69	1.5	4.0	0.0	H 19.3	R 01.7	B 6.5	Y 0.63	L 220
			2.0	H 18.9	R 01.8		Y 0.50	
			3.0	H 18.7	R 01.8		Y 0.39	
21/10/69	2.2	4.0	0.0	H 19.0	R 01.4	B 6.5	Y 0.38	L 220
			2.0	H 18.8	R 01.5		Y 0.38	
			3.0	H 18.8	R 01.5		Y 0.38	
21/10/69	3.1	3.0	0.0	H 18.9	R 01.1	B 6.8	Y 0.22	L 220
			2.0	H 18.7			Y 0.22	
21/10/69	4.3	3.0	0.0	H 19.2	R 01.0	B 6.7	Y 0.21	L 030
			2.0	H 18.7	R 01.0		Y 0.19	
21/10/69	5.1	3.0	0.0	H 18.8	R 01.3	B 6.5	Y 0.34	L 030
			2.0	H 18.8	R 01.6		Y 0.18	

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STATION M(3.8)B (CONTINUED)

LATITUDE 37DEGREES 34.7MINUTES NORTH, LONGITUDE 76DEGREES 47.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	6.5	3.0	C.C	H 18.7	R 02.4		Y 0.38	L 030
			2.C	H 18.7	R 02.6	B 6.5	Y 0.23	
			3.C	H 18.8			Y 0.16	
21/10/69	7.2	4.0	C.C	H 18.6	R 03.1		Y 0.63	Y 040
			2.C	H 18.8	R 03.2		Y 0.50	Y 040
			4.C	H 18.8	R 03.2		Y 0.21	Y 040
21/10/69	8.2	5.0	C.C	H 18.8	R 04.2		Y 0.28	Y 060
			2.C	H 18.8	R 04.2	B 6.8	Y 0.38	Y 050
			4.C	H 18.8	R 04.2		Y 0.14	Y 040

STATION M(3.8)C

LATITUDE 37DEGREES 34.8MINUTES NORTH, LONGITUDE 76DEGREES 47.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	8.1	4.0	C.C	H 18.2	R 04.9		Y 0.08	Y 290
			2.0	F 18.3	R 04.9		Y 0.08	Y 140
			4.0	H 18.2	R 05.2		Y 0.03	Y 360
20/10/69	8.7	5.0	C.C	H 18.3	R 04.6		Y 0.28	Y 280
			2.0	H 18.3	R 04.6		Y 0.23	Y 210
			4.0	H 18.3	R 05.5		Y 0.14	Y 210
20/10/69	9.3	5.0	C.C	F 18.4	R 04.3		Y 0.46	Y 230
			2.0	F 18.3	R 04.5		Y 0.46	Y 240
			4.0	H 18.3	R 05.1		Y 0.19	Y 210
20/10/69	10.4	4.0	C.C	F 18.6	R 03.9		Y 0.63	Y 230
			2.0	H 18.4	R 03.5		Y 0.50	Y 230
			3.5	F 18.4	R 03.8		Y 0.39	Y 230
20/10/69	11.3	4.0	C.C	H 18.5	R 02.7		Y 0.63	Y 230
			2.0	F 18.4	R 02.9		Y 0.56	Y 230
			3.0	F 18.4	R 03.0		Y 0.50	Y 230
20/10/69	12.2	4.0	C.C	H 18.7	R 02.0		Y 0.56	Y 230
			2.0	F 18.5	R 02.0		Y 0.48	Y 230
			3.0	H 18.4			Y 0.39	Y 230
20/10/69	13.5	4.0	C.C	F 18.5	R 01.1		Y 0.26	Y 260
			2.0	F 18.4	R 01.3		Y 0.29	Y 260
			3.0	H 18.3	R 01.2		Y 0.20	Y 270
20/10/69	14.4	4.0	C.C	F 18.6	R 01.0		Y 0.06	Y 360
			2.0	F 18.5	R 01.1		Y 0.10	Y 090
			3.0	F 18.4	R 01.2		Y 0.04	Y 120
20/10/69	15.4	5.0	C.C	F 18.6	R 01.1		Y 0.39	Y 070
			2.0	H 18.4	R 01.3		Y 0.24	Y 040
			4.0	F 18.4	R 01.6		Y 0.35	Y 050
20/10/69	16.5	5.0	C.C	F 19.1	R 02.0		Y 0.69	Y 040
			2.0	F 19.5	R 02.1		Y 0.63	Y 050
			4.0	F 19.5			Y 0.45	Y 050
20/10/69	17.7	6.0	C.C	H 19.0	R 03.6		Y 0.75	L 030
			2.0	F 18.8	R 03.6		Y 0.63	
			4.0	F 18.8	R 03.7		Y 0.63	
			5.0		R 03.6			

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STATION M(3.8)C (CONTINUED)

LATITUDE 37DEGREES 34.8MINUTES NORTH, LONGITUDE 76DEGREES 47.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
20/10/69	19.5	5.0	0.0	H 19.2	R 05.3		Y 0.50	L 030
			2.0	H 19.0	R 05.5		Y 0.38	
			4.0	H 19.0	R 05.5		Y 0.38	
20/10/69	20.4	5.0	0.0	H 19.3	R 05.9		Y 0.35	L 030
			2.0	H 19.1	R 06.0		Y 0.23	
			4.0	H 19.0	R 06.1		Y 0.21	
20/10/69	21.3	5.0	0.0	H 19.0	R 05.5		Y 0.15	L 030
			2.0	H 19.3	R 06.0		Y 0.24	
			4.0	H 19.1	R 06.1		Y 0.09	
20/10/69	22.4	4.0	0.0	H 19.1	R 05.2		Y 0.50	L 220
			2.0	H 19.0	R 05.5		Y 0.50	
			3.0	H 19.0	R 05.7		Y 0.25	
20/10/69	23.3	4.0	0.0	H 19.3	R 03.9		Y 0.78	L 210
			2.0	H 19.0	R 04.6		Y 0.58	
			3.0	H 19.0	R 04.7		Y 0.50	
21/10/69	0.2	4.0	0.0	H 19.2	R 03.3		Y 0.69	L 220
			2.0	H 19.0	R 03.4		Y 0.63	
			3.0	H 18.9	R 03.6		Y 0.50	
21/10/69	1.8	4.0	0.0	H 19.2	R 01.6		Y 0.50	L 220
			2.0	H 18.8	R 01.8		Y 0.40	
			3.0	H 18.8	R 01.8		Y 0.35	
21/10/69	2.3	4.0	0.0	H 18.8	R 01.4		Y 0.50	L 220
			2.0	H 18.7	R 01.5		Y 0.38	
			3.0	H 18.8	R 01.5		Y 0.30	
21/10/69	3.2	3.0	0.0	H 19.1	R 01.1		Y 0.18	L 220
			2.0	H 18.1	R 01.1		Y 0.18	
21/10/69	4.5	3.0	0.0	H 19.0	R 01.1		Y 0.30	L 030
			2.0	H 18.7	R 01.1		Y 0.34	
21/10/69	5.2	3.0	0.0	H 18.8	R 01.5		Y 0.63	L 030
			2.0	H 18.7	R 01.6		Y 0.56	
21/10/69	6.7	4.0	0.0	H 18.7	R 02.7		Y 0.63	L 030
			2.0	H 18.8	R 03.1		Y 0.59	
			3.0	H 18.8	R 03.1		Y 0.45	

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STATION M(3.8)C (CONTINUED)

LATITUDE 37DEGREES 34.8MINUTES NORTH, LONGITUDE 76DEGREES 47.9MINUTES WEST

TRANSECT OCCUPIED 20/10/69 700 HRS TO 21/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	7.3	4.C	C.C	H 18.6	R 03.5		Y 0.58	Y 060
			2.C	H 18.8	R 03.7		Y 0.48	Y 050
			4.C	H 18.8	R 03.8		Y 0.38	Y 050
21/10/69	8.3	4.C	C.C	H 18.6	R 04.6		Y 0.18	Y 060
			2.C	H 18.9	R 04.6		Y 0.38	Y 040
			4.C	H 18.9	R 04.8		Y 0.21	Y 040

STATION M(2.1)A

LATITUDE 37DEGREES 33.6MINUTES NORTH, LONGITUDE 76DEGREES 46.7MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.2	6.0	0.0	H 19.0	R 05.3		Y 0.70	Y 200
			2.0	H 19.0	R 05.3		Y 0.47	Y 190
			4.0	H 19.0	R 06.8		Y 0.00	
			6.0	H 19.0	R 06.8		Y 0.00	
21/10/69	12.0	5.0	0.0	H 19.1	R 05.2		Y 0.62	Y 200
			2.0	H 19.0	R 04.7		Y 0.47	Y 190
			4.0	H 19.0	R 05.4		Y 0.00	
			5.0	H 19.0	R 06.8		Y 0.00	
21/10/69	13.0	5.0	0.0	H 19.1	R 03.7		Y 0.50	Y 190
			2.0	H 19.0	R 03.9		Y 0.45	Y 200
			4.0	H 18.9	R 03.6		Y 0.00	
			5.0	H 18.9	R 03.9		Y 0.00	
21/10/69	14.0	5.0	0.0	H 19.1	R 03.3		Y 0.43	Y 190
			2.0	H 19.0	R 03.3		Y 0.00	
			4.0	H 18.9	R 03.0		Y 0.00	
			5.0	H 18.9	R 03.2		Y 0.00	
21/10/69	15.0	5.0	0.0	H 19.0	R 02.7		Y 0.23	Y 190
			2.0	H 19.0	R 03.3		Y 0.00	
			4.0	H 19.0	R 03.4		Y 0.00	
			5.0	H 18.9	R 04.7		Y 0.00	
21/10/69	16.0	6.0	0.0	H 19.2	R 02.6		Y 0.00	
			2.0	H 19.0	R 03.3		Y 0.00	
			4.0	H 18.9	R 04.0		Y 0.00	
			5.0	H 18.9	R 04.2		Y 0.00	
21/10/69	17.0	6.0	0.0	H 19.0	R 02.9		Y 0.40	Y 350
			2.0	H 19.1	R 03.8		Y 0.55	Y 360
			4.0	H 19.0	R 04.9		Y 0.35	Y 350
			6.0	H 19.0	R 05.0		Y 0.30	Y 350
21/10/69	18.0	6.0	0.0	H 19.1	R 04.5		Y 0.75	Y 360
			2.0	H 19.2	R 05.1		Y 0.60	Y 360
			4.0	H 19.2	R 05.3		Y 0.75	Y 360
			6.0	H 19.1	R 05.6		Y 0.55	Y 360
21/10/69	19.0	6.0	0.0	H 19.2	R 06.2		Y 0.53	Y 360
			2.0	H 19.3	R 06.5		Y 0.60	Y 350
			4.0	H 19.4	R 06.7		Y 0.65	Y 360
			6.0	H 19.4	R 06.8		Y 0.60	Y 360

(CONTINUED)

STATION M(2.1)A (CONTINUED)

LATITUDE 37DEGREES 33.6MINUTES NORTH, LONGITUDE 76DEGREES 46.7MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	20.0	6.0	C.C	H 19.2	R 08.1		Y 0.50	Y 360
			2.C	H 19.2	R 08.2		Y 0.60	Y 350
			4.C	H 19.3	R 08.4		Y 0.50	Y 360
			6.C	H 19.2	R 08.5		Y 0.50	Y 360
21/10/69	21.0	6.0	C.C	H 19.0	R 09.0		Y 0.15	Y 350
			2.C	H 19.1	R 09.1		Y 0.19	Y 360
			4.C	H 19.2	R 09.4		Y 0.15	Y 360
			6.C	H 19.2	R 09.6		Y 0.10	Y 150
21/10/69	23.0	6.0	C.C	H 18.5	R 07.2		Y 0.75	Y 190
			2.C	H 19.1	R 08.3		Y 0.50	Y 190
			4.C	H 19.2	R 09.0		Y 0.50	Y 180
			6.C	H 19.2	R 09.1		Y 0.33	Y 170
22/10/69	0.0	5.0	C.C	H 18.7	R 07.2		Y 0.75	Y 180
			2.C	H 19.0	R 07.2		Y 0.63	Y 190
			4.C	H 19.1	R 07.3		Y 0.63	Y 190
			5.5	H 19.1	R 07.3		Y 0.50	Y 180
22/10/69	1.0	5.0	C.C	H 18.8	R 05.7		Y 0.75	Y 180
			2.C	H 19.0	R 05.7		Y 0.63	Y 180
			4.C	H 19.0	R 04.6		Y 0.63	Y 180
			5.C	H 19.0	R 04.6		Y 0.50	Y 180
22/10/69	2.5	5.0	C.C	H 18.8	R 04.1		Y 0.63	Y 180
			2.C	H 18.8	R 04.1		Y 0.56	Y 180
			4.C	H 18.8	R 04.1		Y 0.50	Y 180
			5.C	H 18.8	R 04.1		Y 0.49	Y 180
22/10/69	3.0	4.0	C.C	H 18.5	R 03.7		Y 0.50	Y 180
			2.C	H 18.7	R 03.7		Y 0.49	Y 180
			4.C	H 18.7	R 03.7		Y 0.36	Y 180
22/10/69	4.0	4.0	C.C	H 18.6	R 02.9		Y 0.17	Y 180
			2.C	H 18.6	R 03.0		Y 0.63	Y 190
			4.C	H 18.7	R 03.4		Y 0.01	Y 140
22/10/69	5.0	6.0	C.C	H 18.4	R 03.4		Y 0.23	Y 350
			2.C	H 18.7	R 03.8		Y 0.40	Y 360
			4.C	H 18.7	R 03.9		Y 0.40	Y 360
			6.C	H 18.8			Y 0.28	Y 350
22/10/69	6.0	2.0	C.C	H 18.4	R 04.4		Y 0.70	Y 360
			1.C	H 18.6	R 04.5		Y 0.75	Y 350

(CONTINUED)

STATION M(2.1)A (CONTINUED)

LATITUDE 37DEGREES 33.6MINUTES NORTH, LONGITUDE 76DEGREES 46.7MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	7.0	4.0	C.C	F 18.0	R 05.4		Y 0.63	Y 350
			2.C	F 18.7	R 05.7		Y 0.63	Y 350
			3.C	F 18.7	R 05.8		Y 0.60	Y 350
22/10/69	8.0	6.0	C.C	F 18.3	R 06.8		Y 0.50	Y 350
			2.C	F 18.4	R 07.3		Y 0.55	Y 360
			4.C	F 18.5	R 07.4		Y 0.48	Y 360
22/10/69	9.0	7.0	C.C	F 18.3	R 08.6		Y 0.48	Y 360
			2.C	F 18.4	R 08.5		Y 0.42	Y 360
			4.C	F 18.5	R 08.5		Y 0.33	Y 360
			6.C	F 18.7	R 08.6		Y 0.32	Y 350
22/10/69	10.0	7.0	C.C	F 18.5	R 08.8		Y 0.06	Y 060
			2.C	F 18.5	R 08.9		Y 0.25	Y 010
			4.C	F 18.5	R 09.0		Y 0.32	Y 020
			5.5	F 18.5	R 09.1		Y 0.15	Y 020
22/10/69	11.0	5.0	C.C	F 18.7	R 07.6		Y 0.52	Y 210
			2.C	F 18.6	R 07.8		Y 0.37	Y 180
			4.C	F 18.5	R 08.8		Y 0.15	Y 160
22/10/69	12.0	6.0	C.C	F 18.7	R 06.8		Y 0.85	Y 200
			2.C	F 18.7	R 07.0		Y 0.68	Y 200
			4.C	F 18.7	R 07.8		Y 0.46	Y 190
			5.C	F 18.6	R 08.5		Y 0.37	Y 190

STATION M(2.1)B

LATITUDE 37DEGREES 33.6MINUTES NORTH, LONGITUDE 76DEGREES 46.8MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.0	4.0	C.C	H 18.7	R 02.5		Y 0.55	Y 180
			2.C	H 18.9	R 02.8	B 6.6	Y 0.33	Y 190
			4.C	H 19.0	R 03.8		Y 0.00	
21/10/69	12.2	4.0	C.C	H 19.0	R 05.0		Y 0.68	Y 200
			2.C	H 18.9	R 05.2	B 7.1	Y 0.45	Y 200
			4.C	H 18.9	R 04.5		Y 0.00	
21/10/69	13.2	4.0	C.C	H 18.8	R 06.2		Y 0.53	Y 200
			2.C	H 18.9	R 06.5	B 6.9	Y 0.38	Y 200
			4.C	H 18.9	R 06.2		Y 0.01	Y 200
21/10/69	14.2	4.0	C.C	H 18.8	R 07.6		Y 0.36	Y 180
			2.C	H 18.9	R 07.7	B 7.0	Y 0.00	
			4.C	H 18.9			Y 0.00	
21/10/69	15.2	4.0	C.C	H 18.7	R 08.8		Y 0.23	Y 210
			2.C	H 18.9	R 09.0	B 6.8	Y 0.00	
			4.C	H 18.9	R 09.2		Y 0.00	
21/10/69	16.0	4.0	C.C	H 19.0	R 02.5		Y 0.00	
			2.C	H 18.9	R 03.0	B 6.9	Y 0.20	Y 360
			4.C	H 19.0	R 03.7		Y 0.28	Y 360
21/10/69	17.3	4.0	C.C	H 19.0	R 03.1		Y 0.50	Y 360
			2.C	H 19.1	R 03.9	B 7.2	Y 0.50	Y 360
			4.C	H 19.0	R 05.1		Y 0.36	Y 360
21/10/69	18.3	4.0	C.C	H 19.2	R 04.8		Y 0.80	Y 360
			2.C	H 19.2	R 05.9	B 6.4	Y 0.70	Y 360
			4.C	H 19.3	R 06.1		Y 0.60	Y 360
21/10/69	19.2	4.0	C.C	H 19.2	R 03.3		Y 0.80	Y 360
			2.C	H 19.3	R 03.3	B 6.5	Y 0.70	Y 360
			4.C	H 19.4	R 03.0		Y 0.60	Y 360
21/10/69	20.5	4.0	C.C	H 19.1	R 03.4		Y 0.50	Y 360
			2.C	H 19.3	R 08.7	B 6.8	Y 0.05	Y 360
			4.C	H 19.2	R 02.5		Y 0.04	Y 360
21/10/69	22.0	4.0	C.C	H 18.9	R 09.1		Y 0.15	Y 170
			2.C	H 19.0	R 09.3	B 6.6	Y 0.18	Y 170
			4.C	H 19.2	R 09.4		Y 0.10	Y 200

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STATION M(2.1)B (CONTINUED)

LATITUDE 37DEGREES 33.6MINUTES NORTH, LONGITUDE 76DEGREES 46.8MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	23.2	4.0	C.C	H 18.9	R 06.5		Y 0.75	Y 190
			2.C	F 19.1	R 08.5	B 6.3	Y 0.50	Y 180
			4.C	F 19.2	R 09.0		Y 0.28	Y 180
22/10/69	0.2	4.0	C.C	F 18.8	R 07.0		Y 0.75	Y 180
			2.C	F 19.1	R 07.2	B 6.3	Y 0.63	Y 190
			4.C	H 19.2	R 07.7		Y 0.43	Y 170
22/10/69	1.3	4.0	C.C	F 18.7	R 05.5		Y 0.75	Y 180
			2.C	F 18.9	R 05.6	B 6.6	Y 0.63	Y 190
			4.C	F 19.0	R 05.8		Y 0.40	Y 180
22/10/69	2.7	4.0	C.C	F 18.5	R 04.0		Y 0.63	Y 180
			2.C	F 18.7	R 04.0	B 6.8	Y 0.50	Y 180
			4.C	F 18.8	R 04.1		Y 0.33	Y 180
22/10/69	3.2	4.0	C.C	F 18.5	R 03.6		Y 0.50	Y 180
			2.C	F 18.7	R 03.6	B 7.1	Y 0.44	Y 180
			4.C	F 18.8	R 03.8		Y 0.20	Y 160
22/10/69	4.2	4.0	C.C	F 18.3	R 02.9		Y 0.12	Y 190
			2.C	F 18.5	R 03.0	B 6.6	Y 0.06	Y 190
			4.C	F 18.6	R 03.2		Y 0.06	Y 050
22/10/69	5.4	2.0	C.C	F 17.6	R 03.3	B 6.5	Y 0.37	Y 010
22/10/69	6.2	2.0	C.C	F 18.0	R 04.1		Y 0.70	Y 350
			1.C	F 18.6	R 04.3	B 6.4	Y 0.90	Y 360
22/10/69	7.2	3.0	C.C	F 18.3	R 06.0		Y 0.75	Y 010
			2.C	F 18.6	R 06.2	B 5.9	Y 0.70	Y 360
22/10/69	8.1	6.0	C.C	F 18.2	R 07.7		Y 0.63	Y 350
			2.C	F 18.5	R 07.7	B 4.6	Y 0.58	Y 350
			4.C	H 18.5	R 07.7		Y 0.43	Y 360
			5.C	F 18.5	R 08.1		Y 0.36	Y 360
22/10/69	9.1	6.0	C.C	F 18.3	R 08.7		Y 0.40	Y 010
			2.C	F 18.5	R 08.7	B 4.7	Y 0.30	Y 350
			4.C	F 18.6	R 08.9		Y 0.35	Y 350
			5.C	F 18.6	R 08.9		Y 0.29	Y 350
22/10/69	10.1	5.0	C.C	F 18.4	R 09.1		Y 0.24	Y 050
			2.C	F 18.5	R 09.1	B 5.8	Y 0.16	Y 290
			4.C	F 18.5	R 09.1		Y 0.12	Y 360

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STATION M(2.1)B (CONTINUED)

LATITUDE 37DEGREES 33.6MINUTES NORTH, LONGITUDE 76DEGREES 46.8MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	11.1	5.0	C.C	H 18.5	R 07.8		Y 0.60	Y 160
			2.C		R 08.1	B 5.6	Y 0.38	Y 200
			4.C		R 08.8		Y 0.23	Y 190
22/10/69	12.2	5.0	C.C	H 18.6	R 07.1		Y 0.48	Y 200
			2.C	H 18.7	R 07.3	B 6.2	Y 0.71	Y 210
			4.C	H 18.7	R 07.8		Y 0.40	Y 190

STATION M(2.1)C

LATITUDE 37CEGREES 33.5MINUTES NORTH, LONGITUDE 76DEGREES 46.9MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CLURRENT SPEED	CURRENT DIRECTION
21/10/69	11.2	4.0	C.C	H 19.0	R 02.9		Y 0.60	Y 210
			2.C	H 18.9	R 04.9		Y 0.18	Y 180
			3.C	H 18.9	R 05.0		Y 0.01	Y 200
21/10/69	12.3	3.0	C.C	H 18.8	R 05.1		Y 0.53	Y 210
			2.C	F 18.9	R 05.3		Y 0.25	Y 180
			3.C	H 18.9	R 05.6		Y 0.23	Y 200
21/10/69	13.2	3.0	C.C	F 18.9	R 06.5		Y 0.50	Y 200
			2.C	F 18.9	R 06.7		Y 0.08	Y 200
			3.C	H 18.9	R 06.8		Y 0.00	
21/10/69	14.2	2.0	C.C	F 19.0	R 03.2		Y 0.33	Y 200
			2.C	F 18.9	R 03.6		Y 0.00	
21/10/69	15.3	2.0	C.C	H 18.8	R 02.6		Y 0.05	Y 260
			2.C	F 18.9	R 02.8		Y 0.00	
21/10/69	16.2	3.0	C.C	H 18.9	R 02.5		Y 0.08	Y 360
			2.C	F 19.0	R 02.8		Y 0.02	Y 350
21/10/69	17.4	3.0	C.C	F 18.8	R 03.5		Y 0.69	Y 360
			2.C	H 19.1	R 05.0		Y 0.49	Y 360
			3.C	F 19.1	R 05.2		Y 0.41	Y 360
21/10/69	18.6	3.0	C.C	H 19.1	R 05.9		Y 0.69	Y 360
			2.C	F 19.2	R 06.2		Y 0.63	Y 360
			3.C	F 19.2	R 06.5		Y 0.63	Y 360
21/10/69	19.4	3.0	C.C	F 19.2	R 07.5		Y 0.55	Y 360
			2.C	F 19.3	R 07.6		Y 0.53	Y 360
			3.C	H 19.3	R 07.7		Y 0.50	Y 360
21/10/69	20.7	3.0	C.C	F 19.3	R 09.0		Y 0.10	Y 040
			2.C	H 19.1	R 09.2		Y 0.05	Y 010
			3.C	H 19.2	R 09.2		Y 0.05	
21/10/69	22.2	3.0	C.C	F 18.9	R 08.9		Y 0.34	Y 160
			2.C	H 19.1	R 09.3		Y 0.21	Y 200
			3.C	F 19.2			Y 0.16	Y 210
21/10/69	23.4	3.0	C.C	F 18.9	R 07.4		Y 0.75	Y 190
			2.C	F 18.1	R 08.6		Y 0.38	Y 180
			3.C	F 18.2	R 08.6		Y 0.38	Y 170

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STATION M(2.1)C (CONTINUED)

LATITUDE 37DEGREES 33.5MINUTES NORTH, LONGITUDE 76DEGREES 46.9MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

CA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	0.4	3.0	C.C	H 18.8	R 06.5		Y 0.75	Y 190
			2.C	F 19.1	R 07.5		Y 0.50	Y 180
			3.C	H 19.2	R 07.6		Y 0.38	Y 180
22/10/69	1.5	2.0	C.C	H 18.6	R 05.2		Y 0.69	Y 190
			2.C	H 18.9	R 05.7		Y 0.50	Y 180
			2.5	H 19.0	R 05.6		Y 0.39	Y 180
22/10/69	2.8	2.0	C.C	F 18.5	R 03.9		Y 0.50	Y 180
			2.C	H 18.6			Y 0.50	Y 180
22/10/69	3.3	2.0	C.C	H 18.5	R 03.5		Y 0.41	Y 180
			2.C	F 18.7	R 03.7		Y 0.21	Y 180
22/10/69	4.4	2.0	C.C	H 18.5	R 02.9		Y 0.06	Y 140
			2.C	F 18.5	R 02.0		Y 0.06	Y 050
22/10/69	5.7	3.0	C.C	F 17.9	R 03.2		Y 0.47	Y 030
			1.C	F 18.5	R 03.9		Y 0.50	Y 360
22/10/69	6.4	2.0	C.C	F 17.7	R 04.7		Y 0.41	Y 010
			1.C	F 18.4	R 04.8		Y 0.41	Y 360
22/10/69	7.4	4.0	C.C	F 18.0	R 06.7		Y 0.63	Y 360
			2.C	H 18.6	R 06.7		Y 0.55	Y 010
			3.C	F 18.7	R 06.8		Y 0.50	Y 360
22/10/69	8.3	4.0	C.C	F 18.2	R 07.7		Y 0.60	Y 360
			2.C	H 18.6	R 08.1		Y 0.49	Y 350
			3.C	F 18.7	R 08.2		Y 0.40	Y 360
22/10/69	9.4	4.0	C.C	F 18.5	R 09.0		Y 0.35	Y 020
			2.C	F 18.5	R 09.0		Y 0.22	Y 360
			3.C	F 18.5	R 08.0		Y 0.19	Y 350
22/10/69	10.3	4.0	C.C	H 18.5	R 09.2		Y 0.10	Y 100
			2.C	F 18.5	R 09.1		Y 0.36	Y 210
			3.C	F 18.5	R 09.2		Y 0.16	Y 050
22/10/69	11.3	4.0	C.C	F 18.5	R 08.2		Y 0.53	Y 190
			2.C	F 18.6	R 08.6		Y 0.41	Y 190
			3.C	H 18.6	R 08.8		Y 0.26	Y 220
22/10/69	12.3	3.0	C.C	F 18.8	R 06.8		Y 0.80	Y 200
			2.C	F 18.7	R 07.4		Y 0.51	Y 190

STATION M(0.7)A

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 47.2MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1800 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	12.0	4.0	0.0	H 18.7	R 04.8		S 0.23	S 220
			2.0	H 18.7	R 05.7		S 0.08	S 300
			4.0	H 18.7	R 06.9		S 0.13	S 320
18/10/69	13.0	5.0	0.0	H 18.4	R 04.7			S 250
			2.0	H 18.7	R 05.8			S 70
			4.0	H 18.7	R 06.5			S 80

STATION M(0.7)B

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1800 HRS TO 18/10/69 1300HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	18.0	5.0	C.C	H 19.2	R 10.2		S 0.34	S 230
			2.C	F 19.4	R 10.6	B 6.1	S 0.25	S 230
			4.C	H 19.4	R 11.0		S 0.18	S 240
17/10/69	19.0	5.0	C.C	F 19.1	R 09.5		S 0.59	S 250
			2.C	F 19.3	R 10.0	B 5.9	S 0.50	S 240
			4.C	H 19.4	R 10.2		S 0.33	S 240
17/10/69	20.0	5.0	C.C	F 19.2	R 09.1		S 0.56	S 240
			2.C	F 19.3	R 09.1	B 5.5	S 0.46	S 240
			4.C	F 19.4	R 09.1		S 0.38	S 240
17/10/69	21.0	5.0	C.C	F 19.2	R 08.4		S 0.53	S 240
			2.C	F 19.2	R 08.4	B 5.5	S 0.46	S 240
			4.C	F 19.3	R 08.4		S 0.33	S 230
17/10/69	22.0	5.0	C.C	F 19.1	R 07.5		S 0.37	S 250
			2.C	F 19.2	R 07.5	B 5.9	S 0.30	S 250
			4.C		R 07.7		S 0.14	S 240
17/10/69	23.0	5.0	C.C	F 18.9	R 06.6		S 0.30	S 250
			2.C	F 19.1	R 06.9	B 6.0	S 0.22	S 250
			4.C	F 19.2	R 06.7		S 0.05	S 190
18/10/69	0.0	5.0	C.C	F 18.8	R 05.0		S 0.15	S 250
			2.C	F 19.1	R 06.5	B 6.0	S 0.03	S 290
			4.C	F 19.1	R 07.3		S 0.07	S 90
18/10/69	1.0	5.0	C.C	F 18.9	R 05.9		S 0.04	S 190
			2.C	F 18.9	R 06.9		S 0.18	S 110
			4.C	F 19.2	R 07.8		S 0.12	S 60
18/10/69	2.0	5.0	C.C	F 18.5	R 06.7		S 0.32	S 80
			2.C	F 18.8	R 07.4	B 5.8	S 0.36	S 50
			4.C	F 19.1	R 08.2		S 0.33	S 70
18/10/69	3.0	5.0	C.C	F 18.7	R 08.1		S 0.50	S 70
			2.C	F 18.9	R 08.6	B 5.7	S 0.45	S 70
			4.C	F 19.0	R 09.0		S 0.38	S 70
18/10/69	4.0	5.0	C.C	F 18.4	R 09.0		S 0.48	S 80
			2.C	F 18.7	R 09.7	B 5.2	S 0.44	S 70
			4.C	F 18.9	R 09.8		S 0.40	S 70

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STATION M(0.7)B (CONTINUED)

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1800 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	5.0	5.C	C.C	H 18.2	R 09.7	B 5.4	S 0.23	S 70
			2.C	H 18.7	R 10.4		S 0.23	S 60
			4.C	H 19.0	R 10.4		S 0.18	S 70
18/10/69	6.0	5.C	C.C	F 17.0	R 09.1	B 5.6	S 0.18	S 230
			2.C		R 10.2		S 0.13	S 220
			4.C		R 10.5		S 0.13	S 230
18/10/69	7.0	5.C	C.C	F 16.6	R 07.9	B 5.0	S 0.39	S 230
			2.C		R 09.6		S 0.31	S 240
			4.C		R 10.1		S 0.14	S 230
18/10/69	8.0	5.C	C.C	F 17.8	R 07.8	B 5.7	S 0.36	S 230
			2.C		R 08.2		S 0.41	S 230
			4.C		R 09.0		S 0.18	S 230
18/10/69	12.1	5.C	C.C	H 18.6	R 05.0	B 6.0	S 0.16	S 260
			2.C	H 18.6	R 05.6		S 0.08	S 140
			4.C	H 18.6	R 06.3		S 0.06	S 90
18/10/69	13.2	5.C	C.C	F 18.5	R 04.6	B 6.6	S 0.04	S 00
			2.C	F 18.7	R 05.6		S 0.16	S 110
			4.C	H 18.7	R 07.0		S 0.11	S 70

STATION M(0.7)C

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1800 HRS TO 18/10/69 1300HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	12.3	4.0	0.0	F 18.5	R 05.3		S 0.16	S 060
			2.0	F 18.8	R 05.8		S 0.09	S 190
			3.0	F 18.7	R 06.0		S 0.14	S 240
18/10/69	13.4	4.0	0.0	F 18.5	R 05.2		S 0.18	S 250
			2.0	F 18.6	R 06.5		S 0.22	S 230
			3.5	F 18.6	R 07.0		S 0.14	S 250

STATION M(0.7)A

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 47.2MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.0	5.0	C.C	F 19.3	R 07.1		B 0.60	B 260
			2.C	F 19.2	R 07.2		B 0.40	B 240
			4.C	F 19.1	R 08.0		B 0.17	B 240
21/10/69	12.0	5.0	C.C	F 19.3	R 05.9		B 0.60	B 240
			2.C	F 19.3	R 05.7		B 0.45	B 250
			4.C	F 19.1	R 05.6		B 0.10	B 250
21/10/69	13.0	5.0	C.C	F 19.4	R 04.7		B 0.55	B 220
			2.C	F 19.3	R 04.7		B 0.45	B 230
			4.C	F 19.1	R 05.4		B 0.20	B 230
21/10/69	14.0	4.0	C.C	F 19.4	R 04.7		B 0.40	B 250
			2.C	F 19.3	R 04.0		B 0.20	B 260
			4.C	F 19.1	R 04.8		B 0.05	B 250
21/10/69	15.0	3.0	C.C	F 19.5	R 02.3		B 0.80	B 230
			2.C	F 19.3	R 04.3		B 0.70	B 100
21/10/69	16.0	3.0	C.C	F 19.4	R 04.1		B 0.16	B 90
			2.C	F 19.4	R 04.8		B 0.21	B 60
21/10/69	17.0	3.0	C.C	F 19.5	R 05.0		B 0.40	B 60
			2.C	F 19.5	R 05.3		B 0.35	B 60
21/10/69	17.7	2.0	C.C	F 19.3	R 06.7		B 0.65	B 80
			2.C	F 19.4	R 07.3		B 0.65	B 70
21/10/69	18.8	2.0	C.C	F 19.2	R 08.0		B 0.55	B 80
			2.C	F 19.2	R 08.9		B 0.55	B 70
21/10/69	19.4	2.0	C.C	F 19.1	R 09.5		B 0.43	B 80
			1.C	F 19.1	R 10.1		B 0.42	B 80
21/10/69	21.0	2.0	C.C	F 19.0	R 09.7		B 0.26	B 80
			1.C	F 19.0	R 10.5		B 0.26	B 80
21/10/69	22.3	2.0	C.C	F 18.9	R 09.5		B 0.20	B 270
			1.C	F 18.9	R 10.3		B 0.20	B 270
21/10/69	23.4	1.0	C.C	F 19.1	R 08.8		B 0.58	B 260
			1.C	F 19.2	R 10.2		B 0.44	B 250
22/10/69	0.0	2.0	C.C	F 19.1	R 09.2		B 0.48	B 260
			1.C	F 19.0	R 09.5		B 0.53	B 260

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STATION M(0.7)A (CONTINUED)

LATITUDE 37DEGREES 32.3MINUTES NORTH, LONGITUDE 76DEGREES 47.2MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 400HRS

DATE-MO-YR	FLOU	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	1.3	1.0	C.C 1.0	F 19.1 H 19.2	R 07.8 R 10.0		B 0.60 B 0.55	B 260 B 260
22/10/69	2.0	1.0	C.C 1.0	F 19.1 F 19.1	R 06.8 R 07.0		B 0.55 B 0.53	B 260 B 260
22/10/69	4.0	1.0	C.C 1.0	F 18.7	R 04.8 R 05.3		B 0.12	B 270 18

STATION M(0.7)B

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.0	5.0	C.C	H 19.3	R 06.8		B 0.55	B 240
			2.C	H 19.1	R 07.9	B 7.2	B 0.38	B 250
			4.C	H 19.1	R 07.9		B 0.20	B 250
21/10/69	12.0	5.0	C.C	H 19.4	R 05.6		B 0.55	B 250
			2.C	H 19.2	R 05.7	B 9.1	B 0.35	B 250
			4.C	H 19.2	R 05.6		B 0.15	B 220
21/10/69	13.0	5.0	C.C	H 19.2	R 05.4		H 0.60	B 260
			2.C	H 19.1	R 05.4	B 7.1	B 0.35	B 250
			4.C	H 19.1	R 05.5		B 0.17	B 230
21/10/69	14.0	4.0	C.C	H 19.3	R 04.6		B 0.30	B 270
			2.C	H 19.2	R 04.6	B 8.1	B 0.35	B 270
			4.C	H 19.3	R 04.6		B 0.10	B 240
21/10/69	15.0	4.0	C.C	H 19.4	R 03.9		B 0.15	B 270
			2.C	H 19.4	R 04.3	B 8.3	B 0.60	B 20
			4.C	H 19.4			B 0.80	B 80
21/10/69	16.0	3.0	C.C	H 19.3	R 03.9		B 0.50	B 30
			2.C	H 19.3	R 04.3	B 9.2	B 0.33	B 40
			4.C	H 19.3	R 04.3		B 0.40	B 70
21/10/69	17.0	4.0	C.C	H 19.4	R 04.8		B 0.48	B 40
			2.C	H 19.4	R 05.1		B 0.50	H 40
			4.C	H 19.4	R 05.7		B 0.40	B 60
21/10/69	18.1	3.0	C.C	H 19.5	R 07.1		B 0.45	B 60
			2.C	H 19.5	R 08.2	B 6.2	B 0.55	B 70
21/10/69	19.2	3.0	C.C	H 19.5	R 08.8		B 0.45	B 70
			2.C	H 19.4	R 09.6		B 0.45	B 60
21/10/69	20.0	3.0	C.C	H 18.3	R 09.2		B 0.40	B 60
			2.C	H 18.3	R 10.3		B 0.42	B 60
21/10/69	21.4	3.0	C.C	H 19.1	R 09.1		B 0.07	R 330
			2.C	H 19.1	R 10.9		B 0.10	B 60
21/10/69	22.0	2.0	C.C	H 18.9	R 09.2		B 0.24	B 270
			2.C	H 19.1	R 10.8		B 0.12	B 240
21/10/69	23.0	2.0	C.C	H 18.9	R 09.1		B 0.68	R 260
			2.C	H 19.1	R 10.4		B 0.48	B 250

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STATION M(0.7)B (CONTINUED)

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	0.3	2.0	0.0 2.0	H 18.9 H 19.0	R 08.2 R 07.9		B 0.85 B 0.65	B 260 B 260
22/10/69	1.0	2.0	0.0 2.0	H 19.0 H 19.0	R 07.7 R 07.7		B 0.75 B 0.36	B 260 B 250
22/10/69	2.3	2.0	0.0 2.0	H 19.0	R 06.2 R 06.3		B 0.68 B 0.55	B 250 B 250
22/10/69	3.0	2.0	0.0 2.0	H 18.9 H 18.9	R 05.4 R 05.4		B 0.48 B 0.48	B 250 B 250
22/10/69	3.3	1.0	0.0 1.0	H 18.8	R 05.3 R 05.7		B 0.37	B 260 18
22/10/69	4.3	2.0	0.0 2.0	H 18.8 H 18.8	R 04.7 R 05.6		B 0.09 B 0.05	B 300 B 00

STATION M(0.7)C

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 400HRS

DA-MC-YR	HR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.0	3.C	C.C	H 19.4	R 07.1		B 0.35	B 240
			2.C	H 19.1	R 07.3		B 0.25	B 260
			3.C	H 19.1	R 07.0		B 0.20	B 220
21/10/69	12.0	3.C	C.C	H 19.3	R 06.2		B 0.45	B 250
			2.C	H 19.2	R 05.4		B 0.20	B 250
			3.C		R 04.7			B 18
21/10/69	13.0	2.C	C.C	H 19.3	R 05.5		B 0.25	B 250
			2.C	H 19.2	R 05.5		B 0.20	B 250
21/10/69	14.0	2.C	C.C	H 19.4	R 04.6		B 0.10	B 240
			2.C	H 19.2	R 04.9		B 0.10	B 270
21/10/69	15.0	3.C	C.C	H 19.4	R 04.0		B 0.75	B 260
			2.C	H 19.3	R 04.4		B 0.60	B 290
21/10/69	16.0	3.C	C.C	H 19.2	R 04.2		B 0.05	B 20
			2.C	H 19.4	R 05.9		B 0.30	B 50
21/10/69	19.0	3.C	C.C	H 18.3	R 08.2	B 6.9	B 0.55	B 60
			2.C	H 18.3	R 09.5		B 0.65	B 70
21/10/69	19.2	3.C	C.C	H 19.4	R 09.3	B 6.9	B 0.49	B 70
			2.C	H 19.2	R 10.3		B 0.53	B 70
21/10/69	21.2	3.C	C.C	H 19.1	R 09.6	B 7.2	B 0.20	B 70
			2.C	H 19.1	R 10.8		B 0.14	B 80
21/10/69	22.2	2.C	C.C	H 19.0	R 09.6	B 6.3	B 0.22	B 260
			2.C	H 19.0	R 10.8		B 0.19	B 250
21/10/69	23.2	2.C	C.C	H 18.8	R 08.8	B 8.2	B 0.68	B 260
			2.C	H 19.1	R 10.3		B 0.50	B 250
22/10/69	0.2	2.C	C.C	B 19.0	R 08.5	B 9.7	B 0.08	B 260
			2.C	B 19.1	R 09.1		B 0.07	B 260
22/10/69	1.2	2.C	C.C	H 19.1	R 07.8	B 6.6	B 0.63	B 260
			1.C	H 19.1	R 07.9		B 0.60	B 260
22/10/69	2.2	2.C	C.C	H 19.1	R 06.5	B 6.3	B 0.65	B 260
			2.C	H 19.1	R 06.6		B 0.53	B 260

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STATION M(0.7)C (CONTINUED)

LATITUDE 37DEGREES 32.4MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	3.3	2.0	C.C	H 18.8	R 05.4		B 0.48	B 260
			2.C	H 18.9	R 05.6	B 6.9	B 0.32	B 250
22/10/69	4.2	2.0	C.C	H 18.8	R 04.7		B 0.21	B 250
			2.C	H 18.9	R 04.7	B 6.9	B 0.15	B 260

STATION M(0.0)A

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.4MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.2	8.0	C.C	H 19.6	R 10.0		Y 0.36	Y 360
			2.C	F 19.6	R 10.0	B 6.5	Y 0.46	Y 350
			4.C	F 19.6	R 10.2		Y 0.37	Y 360
			6.C	F 19.6	R 10.2		Y 0.30	Y 360
17/10/69	15.0	8.0	C.C	H 19.4	R 10.8		Y 0.44	Y 010
			2.C	H 19.4	R 11.0	B 5.9	Y 0.41	Y 340
			4.C	F 19.4	R 11.7		Y 0.30	Y 340
			6.C	F 19.4	R 11.4		Y 0.41	Y 360
17/10/69	16.0	6.0	C.C	F 19.4	R 11.9		Y 0.70	Y 360
			2.C	F 19.4	R 12.2		Y 0.09	Y 340
			4.C	F 19.4	R 12.4		Y 0.14	Y 360
17/10/69	17.2	8.0	C.C	F 18.1	R 11.4		Y 0.13	Y 150
			2.C	F 19.2	R 11.5	B 6.5	Y 0.03	Y 200
			4.C	F 19.3	R 12.0		Y 0.03	Y 360
			6.C	F 19.3	R 12.5		Y 0.02	Y 350
			7.C	H 19.3	R 12.5		Y 0.03	Y 020
17/10/69	18.0	8.0	C.C	F 18.9	R 10.9		Y 0.41	Y 190
			2.C	F 19.3	R 11.7	B 6.5	Y 0.25	Y 180
			4.C	F 19.3	R 12.3		Y 0.09	Y 200
			6.C	F 19.3	R 12.4		Y 0.03	Y 200
			7.C	H 19.3	R 12.5		Y 0.02	Y 190
17/10/69	19.0	8.0	C.C	F 19.1	R 10.4		Y 0.50	Y 180
			2.C	F 19.3	R 10.6	B 6.2	Y 0.56	Y 180
			4.C	H 19.2	R 10.7		Y 0.50	Y 180
			6.C	F 19.3	R 11.3		Y 0.41	Y 180
			7.C	F 19.3	R 11.3		Y 0.31	Y 190
17/10/69	20.0	8.0	C.C	F 19.3	R 09.7		Y 0.45	Y 160
			2.C	F 19.3	R 10.2	B 6.1	Y 0.43	Y 170
			4.C	F 19.3	R 10.2		Y 0.38	Y 180
			5.C	H 19.4	R 10.5		Y 0.31	Y 180
17/10/69	21.0	6.0	C.C	H 18.0	R 09.6		Y 0.40	Y 180
			2.C	F 19.1	R 09.5	B 5.9	Y 0.39	Y 170
			4.C	F 19.3	R 09.6		Y 0.34	Y 180
			5.C	F 19.4	R 09.7		Y 0.28	Y 180

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STATION M(0.0)A (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.4MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DATE-TIME	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	22.0	6.0	0.0	F 19.0	R 08.0		Y 0.25	Y 180
			2.0	F 19.2	R 08.7	B 6.2	Y 0.25	Y 170
			4.0	F 19.3	R 08.9		Y 0.25	Y 180
			5.0	F 19.3	R 09.0		Y 0.21	Y 190
17/10/69	23.0	6.0	0.0	F 19.0	R 07.9		Y 0.21	Y 170
			2.0	F 19.1	R 08.0	B 5.9	Y 0.23	Y 170
			4.0	F 19.2	R 08.1		Y 0.23	Y 180
			5.0	F 19.2	R 08.2		Y 0.19	Y 200
18/10/69	0.0	6.0	0.0	F 18.8	R 07.5		Y 0.04	Y 190
			2.0	F 19.0	R 07.6	B 5.8	Y 0.03	Y 190
			4.0	F 19.1	R 07.5		Y 0.03	Y 200
			5.0	F 19.2	R 07.9		Y 0.04	Y 280
18/10/69	1.0	6.0	0.0	F 18.5	R 07.2		Y 0.00	Y 350
			2.0	F 18.7	R 07.7	B 5.8	Y 0.04	Y 340
			4.0	F 18.6	R 07.9		Y 0.00	Y 320
			5.0	F 19.2	R 08.5		Y 0.10	Y 330
18/10/69	2.2	9.0	0.0	F 18.2	R 08.0		Y 0.00	Y 030
			2.0	F 18.6	R 08.2	B 7.8	Y 0.15	Y 010
			4.0	F 18.6	R 08.5		Y 0.28	Y 020
			6.0	F 18.7	R 08.8		Y 0.26	Y 020
			8.0	F 18.9	R 09.0			Y 360
18/10/69	3.0	10.0	0.0	F 17.7	R 08.9		Y 0.25	Y 030
			2.0	F 18.1	R 09.9	B 5.1	Y 0.26	Y 020
			4.0	F 18.4	R 10.1		Y 0.48	Y 010
			6.0	F 19.0	R 10.0		Y 0.40	Y 360
			8.0	F 19.1	R 10.0		Y 0.25	Y 030
			9.0	F 19.1	R 10.0		Y 0.35	Y 030
18/10/69	4.0	10.0	0.0	F 18.1	R 10.1		Y 0.30	Y 040
			2.0	F 18.3	R 10.2	B 5.9	Y 0.30	Y 020
			4.0	F 18.4	R 10.3		Y 0.23	Y 010
			6.0	F 18.4	R 10.6		Y 0.34	Y 010
			8.0	F 18.6	R 11.1		Y 0.39	Y 010
			9.0	F 18.7	R 11.1		Y 0.39	Y 020
18/10/69	5.0	4.0	0.0	F 18.1	R 10.6		Y 0.11	Y 350
			2.0	F 18.3	R 10.7	B 6.0	Y 0.20	Y 340
			4.0	F 18.8	R 11.4		Y 0.01	Y 320

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STATION M(0.0)A (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.4MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	6.0	4.0	C.C	H 17.8	R 10.9	B 6.0	Y 0.40	Y 180
			2.C	F 18.3	R 11.9		Y 0.01	Y 180
			3.C		R 11.5			
			4.C	H 18.6			Y 0.05	Y 190
18/10/69	7.0	4.0	C.C	H 18.3	R 09.7	B 6.0	Y 0.46	Y 180
			2.C	H 18.4	R 10.6		Y 0.33	Y 180
			4.C	F 18.6	R 10.9		Y 0.11	Y 180
18/10/69	8.0	4.0	C.C	F 18.4	R 09.8	B 5.4	Y 0.50	Y 180
			2.C	F 18.6	R 09.8		Y 0.46	Y 190
			4.C	F 18.7	R 10.1		Y 0.19	Y 190
18/10/69	9.0	4.0	C.C	F 18.6	R 08.6	B 5.3	Y 0.48	Y 180
			2.C	F 18.7	R 09.1		Y 0.42	Y 180
			4.C	H 18.7	R 09.2		Y 0.23	Y 190
18/10/69	10.0	4.0	C.C	H 18.6	R 07.8	B 5.5	Y 0.40	Y 170
			2.C	F 18.6	R 08.1		Y 0.32	Y 180
			4.C	H 18.6	R 08.3		Y 0.17	Y 180
18/10/69	11.0	4.0	C.C	F 18.9	R 06.9		Y 0.22	Y 180
			2.C	F 18.7	R 07.4		Y 0.24	Y 180
			4.C	F 18.7	R 07.5		Y 0.15	Y 200
18/10/69	12.0	4.0	C.C	F 19.4	R 08.0	B 6.1	Y 0.20	Y 170
			2.C	H 18.9	R 06.5		Y 0.14	Y 190
			4.C	H 18.8	R 07.2		Y 0.05	Y 230
18/10/69	13.0	4.0	C.C	F 19.7	R 06.3	B 6.2	Y 0.04	Y 330
			2.C	F 19.8	R 06.8		Y 0.06	Y 360
			4.C	F 19.8	R 07.3		Y 0.20	Y 360

STATION M(0.0)B

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.2	8.0	C.C	H 19.5	R 10.5		Y 0.30	Y 360
			2.C	H 19.5	R 10.7	B 5.7	Y 0.16	Y 360
			4.C	F 19.4	R 10.8		Y 0.41	Y 360
			6.C	H 19.4	R 10.9		Y 0.31	Y 360
			7.C		R 10.8			
17/10/69	15.0	6.0	C.C	H 19.2	R 11.3		Y 0.20	Y 360
			2.C	H 19.4	R 11.4	B 6.1	Y 0.18	Y 360
			4.C	F 19.4	R 11.9		Y 0.34	Y 360
17/10/69	16.0	6.0	C.C	F 18.9	R 11.3		Y 0.10	Y 350
			2.C	H 19.2	R 11.6	B 6.2	Y 0.06	Y 320
			4.C	F 19.3	R 11.7		Y 0.04	Y 320
			6.C		R 12.1			
17/10/69	17.5	12.0	C.C	F 18.7	R 11.2		Y 0.21	Y 180
			2.C	F 19.2	R 11.7	B 6.4	Y 0.02	Y 170
			4.C	H 19.3	R 12.0		Y 0.02	Y 230
			6.C	H 19.3	R 12.3		Y 0.63	Y 180
			8.C		R 12.5			
			10.C		R 12.5			
			11.C		R 12.5			
17/10/69	18.2	12.0	C.C	F 18.8	R 10.3		Y 0.49	Y 190
			2.C	F 19.1	R 10.9	B 6.3	Y 0.35	Y 200
			4.C	H 19.3	R 12.3		Y 0.25	Y 210
			6.C	F 19.3	R 12.5		Y 0.18	Y 210
			8.C	F 19.3	R 12.5		Y 0.15	Y 200
			10.C	F 19.3	R 12.6		Y 0.10	Y 200
			11.C		R 12.6			
17/10/69	19.2	11.0	C.C	H 18.9	R 10.2		Y 0.63	Y 200
			2.C	F 18.2	R 10.1	B 6.1	Y 0.63	Y 200
			4.C	F 18.2	R 11.2		Y 0.50	Y 190
			6.C	F 18.2	R 11.3		Y 0.35	Y 200
			8.C	F 18.3	R 11.8		Y 0.23	Y 200
			10.C	H 18.4	R 12.2		Y 0.05	Y 200
17/10/69	20.2	11.0	C.C	F 18.4	R 09.6		Y 0.56	Y 200
			2.C	F 19.2	R 09.5	B 6.1	Y 0.56	Y 210
			4.C	F 19.2	R 09.5		Y 0.44	Y 220
			6.C	F 19.2	R 09.7		Y 0.45	Y 200
			8.C	F 19.2	R 09.6		Y 0.45	Y 190
			10.C	F 19.2	R 09.7		Y 0.30	Y 180

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STATION M(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	21.2	11.C	C.C	H 18.7	R 08.9	B 5.7	Y 0.48	Y 210
			2.C	H 19.2	R 08.8		Y 0.38	Y 210
			4.C	F 19.2	R 08.8		Y 0.46	Y 190
			6.C	H 19.2	R 08.8		Y 0.40	Y 190
			8.C	F 19.2	R 08.8		Y 0.41	Y 190
			10.C	H 19.2	R 08.8		Y 0.26	Y 190
17/10/69	22.2	11.C	C.C	F 18.6	R 08.2	B 5.7	Y 0.33	Y 190
			2.C	F 19.0	R 08.3		Y 0.28	Y 180
			4.C	H 19.1	R 08.3		Y 0.26	Y 180
			6.C	F 19.2	R 08.3		Y 0.24	Y 200
			8.C	F 19.2	R 08.4		Y 0.20	Y 210
			10.C	F 19.3	R 09.0		Y 0.13	Y 240
17/10/69	23.2	11.C	C.C	F 18.3	R 07.6	B 6.0	Y 0.37	Y 220
			2.C	H 18.9	R 07.6		Y 0.21	Y 210
			4.C	F 19.0	R 08.5		Y 0.10	Y 200
			6.C	H 19.2	R 08.5		Y 0.03	Y 220
			8.C	F 19.2	R 08.7		Y 0.06	Y 250
			10.C	F 19.2	R 08.9		Y 0.05	Y 050
18/10/69	0.2	11.C	C.C	H 18.0	R 07.3	B 5.9	Y 0.05	Y 210
			2.C	F 18.5	R 07.6		Y 0.03	Y 240
			4.C	F 19.0	R 08.1		Y 0.00	Y 220
			6.C	F 19.2	R 08.3		Y 0.01	Y 330
			8.C	F 19.2	R 08.4		Y 0.01	Y 360
			10.C	H 19.1	R 08.5		Y 0.15	Y 040
18/10/69	1.2	10.C	C.C	F 18.3	R 07.3	B 7.8	Y 0.00	Y 330
			2.C	F 19.0	R 07.8		Y 0.01	Y 010
			4.C	F 19.1	R 08.0		Y 0.10	Y 360
			6.C	F 19.0	R 08.3		Y 0.08	Y 010
			8.C	H 19.1			Y 0.10	Y 340
			9.C	F 19.1	R 09.1		Y 0.16	Y 320
18/10/69	2.4	11.C	C.C	F 17.9	R 07.8	B 7.7	Y 0.10	Y 010
			2.C	F 18.4	R 08.3		Y 0.25	Y 360
			4.C	F 18.8	R 09.5		Y 0.26	Y 010
			6.C	H 19.0	R 09.8		Y 0.23	Y 020
			8.C	F 19.1	R 09.9		Y 0.26	Y 360
			10.C	F 19.1	R 10.0		Y 0.25	Y 360

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STATION M(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	3.2	10.0	C.C	H 17.8	R 08.3		Y 0.10	Y 030
			2.C	H 18.7	R 09.7	B 5.9	Y 0.20	Y 360
			4.C	H 18.9	R 10.0		Y 0.36	Y 360
			6.C	H 18.8	R 10.1		Y 0.45	Y 360
			8.C	H 18.9	R 10.0		Y 0.45	Y 360
			9.C	H 19.0	R 10.4		Y 0.45	Y 350
18/10/69	4.2	10.0	C.C	H 18.3	R 09.0		Y 0.00	Y 350
			2.C	H 18.7	R 10.3	B 5.3	Y 0.08	Y 360
			4.C	H 18.9	R 10.8		Y 0.03	Y 360
			6.C	H 18.9	R 11.1		Y 0.03	Y 360
			8.C	H 18.9	R 11.2		Y 0.20	Y 010
			9.C	H 18.9	R 11.3		Y 0.27	Y 360
18/10/69	5.4	12.0	C.C	H 18.8	R 09.5		Y 0.13	Y 190
			2.C	H 18.6	R 10.6	B 5.8	Y 0.00	Y 170
			4.C	H 18.6	R 11.0		Y 0.01	Y 290
			6.C	H 18.8	R 11.1		Y 0.00	Y 190
			8.C	H 18.8	R 11.3		Y 0.00	Y 350
			10.C	H 18.8	R 11.4		Y 0.09	Y 040
18/10/69	6.0	10.0	C.C	H 17.9	R 09.4		Y 0.26	Y 170
			2.C	H 18.5	R 10.7	B 5.7	Y 0.00	Y 200
			4.C	H 18.6	R 10.9		Y 0.00	Y 220
			6.C	H 18.7	R 11.3		Y 0.00	Y 230
			8.C	H 18.8	R 11.4		Y 0.00	Y 220
			10.C	H 18.8	R 11.4		Y 0.00	Y 190
18/10/69	7.2	10.0	C.C	H 17.5	R 09.3		Y 0.46	Y 190
			2.C	H 18.0	R 09.6	B 5.6	Y 0.46	Y 200
			4.C	H 18.5	R 10.0		Y 0.34	Y 200
			6.C	H 18.8	R 11.0		Y 0.30	Y 210
			8.C	H 18.8	R 11.2		Y 0.17	Y 210
			10.C	H 18.8	R 11.3		Y 0.00	Y 220
18/10/69	8.2	10.0	C.C	H 18.2	R 09.2		Y 0.58	Y 200
			2.C	H 18.3	R 09.2	B 5.5	Y 0.50	Y 210
			4.C	H 18.4	R 09.4		Y 0.39	Y 190
			6.C	H 18.4	R 09.5		Y 0.33	Y 190
			8.C	H 18.6	R 10.0		Y 0.19	Y 190
			10.C	H 18.8	R 11.0		Y 0.00	Y 190

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STATION M(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	9.2	10.0	C.C	H 18.5	R 08.0	B 5.9	Y 0.53	Y 190
			2.0	H 18.5	R 08.0		Y 0.42	Y 190
			4.0	H 18.5	R 08.1		Y 0.39	Y 190
			6.0	H 18.5	R 08.3		Y 0.21	Y 190
			8.0	H 18.6	R 09.0		Y 0.10	Y 200
			10.0	H 18.7	R 09.3		Y 0.06	Y 200
18/10/69	10.2	11.0	C.C	H 18.6	R 07.5	B 5.9	Y 0.44	Y 190
			2.0	H 18.6	R 07.6		Y 0.41	Y 200
			4.0	H 18.6	R 07.6		Y 0.34	Y 200
			6.0	H 18.7	R 07.9		Y 0.25	Y 200
			8.0	H 18.7	R 08.2		Y 0.10	Y 200
			10.0	H 18.6	R 08.5		Y 0.04	Y 190
18/10/69	11.2	10.0	C.C	H 18.8	R 06.7		Y 0.29	Y 180
			2.0	H 18.8	R 07.0		Y 0.24	Y 190
			4.0	H 18.7	R 07.2		Y 0.19	Y 180
			6.0	H 18.7	R 07.7		Y 0.11	Y 220
			8.0	H 18.7	R 07.9		Y 0.03	Y 180
			10.0	H 18.7	R 08.0		Y 0.03	Y 040
18/10/69	12.2	10.0	C.C	H 18.9	R 06.5	B 6.5	Y 0.20	Y 180
			2.0	H 18.8	R 06.8		Y 0.14	Y 200
			4.0	H 18.7	R 07.3		Y 0.03	Y 250
			6.0	H 18.7	R 07.5		Y 0.04	Y 170
			8.0	H 18.7	R 07.6		Y 0.11	Y 040
			10.0	H 18.8	R 07.9		Y 0.28	Y 040
18/10/69	13.2	10.0	C.C	H 19.1	R 06.2	B 6.2	Y 0.10	Y 360
			2.0	H 18.9	R 07.1		Y 0.16	Y 360
			4.0	H 18.9	R 07.2		Y 0.09	Y 360
			6.0	H 18.9	R 07.6		Y 0.02	Y 360
			8.0	H 18.8			Y 0.03	Y 360

STATION M(0.0)A

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.4MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.0	2.C	1.C 2.C	H 18.5 R 07.9 R 07.3			S 0.48	S 130 18
21/10/69	12.2	2.C	C.C 1.C	H 18.5 H 18.5	R 10.8 R 06.6		S 0.63 S 0.41	S 150 S 170
21/10/69	13.0	2.C	C.C 1.C	H 18.5 H 18.8	R 06.7 R 06.9		S 0.40 S 0.36	S 180 S 180
21/10/69	14.0	2.C	C.C 1.C	H 18.5 H 18.5	R 05.7 R 05.0		S 0.34 S 0.07	S 180 S 170
21/10/69	15.0	2.C	C.C 1.C	H 19.0 H 19.0	R 05.5 R 05.8		S 0.03 S 0.12	S 100 S 40
21/10/69	16.0	1.C	1.C	H 18.5	R 05.3		S 0.02	S 90
21/10/69	17.2	2.C	C.C 2.C	H 18.7 H 18.8	R 06.7 R 07.0	B 7.3	S 0.46 S 0.31	S 00 S 330
21/10/69	18.0	2.C	C.C 2.C	H 18.9 H 18.9	R 08.3 R 08.3	B 7.0	S 0.41 S 0.21	S 350 S 350
21/10/69	19.0	2.C	C.C 2.C	H 18.5 H 18.8	R 09.3 R 09.4	B 7.0	S 0.16 S 0.06	S 10 S 00
21/10/69	20.0	3.C	C.C 2.C	H 18.5 H 18.8	R 09.7 R 10.4	B 6.5	S 0.31 S 0.26	S 350 S 00
21/10/69	21.0	3.C	C.C 2.C	H 18.8 H 18.9	R 09.6 R 11.2	B 7.0	S 0.10 S 0.11	S 350 S 330
21/10/69	22.0	3.C	C.C 2.C	H 18.5 H 18.5	R 09.7 R 11.0	B 5.1	S 0.13 S 0.07	S 190 S 170
21/10/69	23.0	3.C	C.C 2.C	H 18.9 H 18.9	R 10.6 R 10.8	B 7.4	S 0.39 S 0.39	S 160 S 170
22/10/69	0.0	2.C	C.C 2.C	H 19.0 H 19.0	R 09.9 R 10.1	B 7.1	S 0.39 S 0.39	S 170 S 170
22/10/69	1.0	3.C	C.C 2.C	H 19.0 H 19.0	R 08.3 R 09.3	B 6.0	S 0.44 S 0.40	S 160 S 160

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STATION M(0.0)A (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.4MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	2.0	2.0	C.C 2.0	F 19.2 H 19.6	R 07.6 R 08.4	B 4.5	S 0.37 S 0.32	S 150 S 160
22/10/69	3.0	2.0	C.C 2.0	F 20.0 F 20.0	R 06.6 R 07.3	B 6.6	S 0.24 S 0.18	S 150 S 170
22/10/69	4.0	2.0	C.C 2.0	F 19.9 F 20.0	R 05.9 R 06.6	B 6.1	S 0.06 S 0.04	S 130 S 150
22/10/69	5.0	2.0	C.C 2.0	F 20.1 F 20.0	R 06.1 R 06.9	B 5.7	S 0.06 S 0.06	S 30 S 20
22/10/69	6.0	2.0	C.C 2.0	T 17.7	R 08.1 R 08.2		S 0.43 S 0.35	S 00 S 350
22/10/69	7.2	2.0	C.C 2.0	F 17.7 H 17.7	R 09.6 R 09.7		S 0.38 S 0.33	S 10 S 00
22/10/69	8.0	2.0	C.C 2.0	F 17.7 F 17.7	R 10.2 R 10.2		S 0.39 S 0.34	S 10 S 350
22/10/69	9.0	2.0	C.C 1.0	F 17.7 F 18.0	R 10.3 R 10.8		S 0.15 S 0.10	S 00 S 00
22/10/69	10.0	2.0	C.C 1.0	F 18.0 F 18.0	R 10.2 R 10.7		S 0.10 S 0.10	S 170 S 170
22/10/69	11.0	2.0	C.C 1.0	F 17.9 F 17.9	R 10.6 R 09.2		S 0.37 S 0.31	S 160 S 160
22/10/69	12.0	2.0	C.C 1.0	F 17.9 H 17.9	R 09.8 R 10.6		S 0.05 S 0.35	S 180 S 160

STATION M(0.0)B

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.2	12.C	0.C	H 18.5	R 06.4	B 6.6	S 0.56	S 180
			2.C	H 18.5	R 07.9		S 0.49	S 180
			4.C	H 18.5	R 07.4		S 0.45	S 180
			6.C	H 18.5	R 07.2		S 0.24	S 180
			8.C	H 18.0	R 10.8		S 0.06	S 180
			10.C	H 18.0			S 0.06	S 180
			11.C	H 18.0			S 0.06	S 180
21/10/69	12.4	12.C	0.C	H 18.5	R 06.1		S 0.56	S 180
			2.C	H 18.5	R 06.2		S 0.49	S 180
			4.C	H 18.5	R 07.2		S 0.44	S 180
			6.C	H 18.5	R 07.5		S 0.31	S 180
			8.C	H 18.0	R 08.9		S 0.06	S 180
			10.C	H 18.0	R 08.9		S 0.06	S 180
			11.C	H 18.0	R 09.3		S 0.06	S 180
21/10/69	13.1	12.C	0.C	H 18.5	R 06.4	B 6.6	S 0.48	S 150
			2.C	H 18.5	R 06.3		S 0.48	S 180
			4.C	H 18.5	R 06.3		S 0.43	S 180
			6.C	H 18.5	R 06.8		S 0.24	S 180
			8.C	H 18.5	R 08.4		S 0.03	S 180
			10.C	H 18.5			S 0.11	S 10
			11.C	H 18.5	R 08.3		S 0.06	S 20
21/10/69	14.0	12.C	0.C	H 18.5	R 05.7		S 0.30	S 180
			2.C	H 18.5	R 05.8		S 0.31	S 170
			4.C	H 18.5	R 05.9		S 0.23	S 170
			6.C	H 18.5	R 06.6		S 0.05	S 190
			8.C	H 18.5	R 06.2		S 0.14	S 40
			10.C	H 18.5	R 06.5		S 0.09	S 50
			11.C	H 18.5	R 07.6		S 0.03	S 40
21/10/69	15.2	11.C	0.C	H 19.0	R 04.1	B 6.9	S 0.12	S 180
			2.C	H 18.5	R 04.7		S 0.09	S 180
			4.C	H 18.5	R 06.5		S 0.09	S 270
			6.C	H 18.5	R 06.5		S 0.13	S 10
			8.C	H 18.5	R 06.7		S 0.10	S 40
			10.C	H 18.5	R 06.8		S 0.28	S 20
21/10/69	16.1	11.C	0.C	H 18.5	R 06.0	B 7.5	S 0.03	S 10
			2.C	H 18.5	R 06.0		S 0.09	S 350
			4.C	H 18.5	R 06.6		S 0.19	S 10
			6.C	H 18.5	R 06.7		S 0.31	S 00
			8.C	H 18.5	R 06.9		S 0.40	S 00
			10.C	H 18.5	R 07.0		S 0.40	S 00

(CONTINUED)

STATION M(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	17.3	12.0	C.C	H 18.9	R 07.3		S 0.24	S 350
			2.C	F 18.9	R 08.0	B 5.7	S 0.29	S 10
			4.C	F 18.8	R 08.1		S 0.44	S 340
			6.C	F 19.0	R 08.2		S 0.49	S 340
			8.C	F 19.0	R 08.6		S 0.50	S 350
			10.C	H 18.9	R 09.0		S 0.44	S 00
			11.5	F 19.0	R 08.4	B 6.3	S 0.46	S 00
21/10/69	18.2	12.0	C.C	F 18.8	R 07.9		S 0.39	S 20
			2.C	F 18.9	R 08.5	B 6.9	S 0.39	S 20
			4.C	F 18.9	R 09.0		S 0.37	S 00
			6.C	H 19.5	R 08.9		S 0.35	S 350
			8.C	F 20.0	R 09.1		S 0.35	S 350
			9.C	F 20.2	R 09.4		S 0.48	S 00
			10.C	F 20.5	R 09.8		S 0.60	S 00
21/10/69	19.1	12.0	C.C	F 18.6	R 09.6		S 0.31	S 00
			2.C	F 18.6	R 09.9	B 6.8	S 0.55	S 00
			4.C	F 18.8	R 10.2		S 0.50	S 00
			6.C	F 19.0	R 10.4		S 0.48	S 00
			8.C	F 19.0	R 10.4		S 0.49	S 10
			10.C	H 19.0	R 10.5		S 0.44	S 10
			12.C	F 19.2	R 10.4	B 7.0	S 0.38	S 10
21/10/69	20.1	12.0	C.C	F 18.8	R 09.7		S 0.24	S 350
			2.C	F 18.4	R 10.4	B 7.5	S 0.24	S 00
			4.C	F 19.0	R 09.9		S 0.04	S 00
			6.C	H 19.1	R 10.8		S 0.41	S 00
			8.C	F 19.8	R 11.0		S 0.36	S 00
			10.C	F 19.9	R 10.7		S 0.16	S 00
			12.C	F 20.0		B 7.4	S 0.10	S 00
21/10/69	21.1	12.0	C.C	F 18.5	R 09.8		S 0.08	S 30
			2.C	F 18.8	R 10.2	B 6.5	S 0.09	S 50
			4.C	F 19.0	R 10.7		S 0.16	S 30
			6.C	F 21.0	R 11.4		S 0.15	S 00
			8.C	F 22.0	R 11.2		S 0.16	S 340
			10.C	F 22.2	R 11.6		S 0.19	S 340
			12.C	H 22.6	R 11.7	B 7.2	S 0.10	S 340

(CONTINUED)

STATION M(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	22.1	12.0	C.C	T 18.6	R 09.8		S 0.04	S 190
			2.C	F 19.0	R 10.8	B 7.9	S 0.14	S 190
			4.C	F 19.0	R 11.2		S 0.18	S 210
			6.C	F 19.2	R 11.3		S 0.07	S 200
			8.C	F 19.5	R 11.5		S 0.04	S 230
			10.C	F 19.9	R 11.6		S 0.06	S 270
			12.C	H 19.9	R 11.8	B 5.9	S 0.06	S 320
21/10/69	23.2	12.0	C.C	F 18.7	R 09.3		S 0.39	S 170
			2.C	H 19.0	R 09.8	B 6.9	S 0.44	S 170
			4.C	H 19.0	R 10.4		S 0.41	S 180
			6.C	F 19.3	R 11.1		S 0.29	S 180
			8.C	F 19.5	R 11.2		S 0.41	S 170
			10.C	F 19.9	R 11.2		S 0.25	S 170
			12.C	H 20.0	R 11.3	B 6.5	S 0.11	S 170
22/10/69	0.2	12.0	C.C	F 19.0	R 09.8		S 0.48	S 170
			2.C	F 19.1	R 09.8	B 7.3	S 0.48	S 180
			4.C	F 19.4	R 09.8		S 0.48	S 180
			6.C	F 19.9	R 09.8		S 0.48	S 180
			8.C	H 20.0	R 09.8		S 0.48	S 170
			10.C	H 20.0	R 09.8		S 0.41	S 170
			12.C	F 20.1	R 09.8	B 6.9	S 0.39	S 170
22/10/69	1.1	12.0	C.C	F 19.0	R 08.3		S 0.48	S 170
			2.C	F 19.3	R 08.8		S 0.48	S 180
			4.C	F 19.9	R 08.9		S 0.50	S 170
			6.C	H 20.0	R 08.8		S 0.50	S 170
			8.C	F 20.0	R 08.8		S 0.50	S 170
			10.C	F 20.1	R 08.8		S 0.48	S 170
			12.C	F 20.2	R 08.8		S 0.36	S 180
22/10/69	2.1	12.0	C.C	F 19.2	R 07.4		S 0.46	S 170
			2.C	H 19.5	R 07.9	B 6.3	S 0.48	S 180
			4.C	F 20.0	R 07.6		S 0.48	S 170
			6.C	F 20.0	R 07.9		S 0.48	S 170
			8.C	F 20.0	R 07.9		S 0.31	S 170
			10.C	F 20.3	R 07.9		S 0.27	S 170
			12.C	H 20.8	R 07.9	B 6.4	S 0.24	S 180

(CONTINUED)

STATION M(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	3.1	12.0	C.C	H 19.8	R 06.3		S 0.30	S 160
			2.0	H 19.9	R 06.5	B 6.9	S 0.30	S 180
			4.0	H 20.0	R 06.7		S 0.34	S 170
			6.0	H 20.5	R 06.7		S 0.30	S 160
			8.0	H 21.0	R 07.0		S 0.26	S 170
			10.0	H 21.2	R 06.8		S 0.20	S 180
			12.0	H 21.3	R 07.3	B 6.3	S 0.18	S 220
22/10/69	4.1	12.0	C.C	H 19.6	R 05.8		S 0.08	S 220
			2.0	H 20.0	R 06.0	B 6.9	S 0.09	S 210
			4.0	H 20.0	R 06.2		S 0.04	S 210
			6.0	H 20.7	R 06.4		S 0.10	S 230
			8.0	H 21.0	R 06.7		S 0.06	S 270
			10.0	H 21.2	R 06.9		S 0.08	S 10
			11.5	H 21.2	R 07.1	B 5.2	S 0.09	S 50
22/10/69	5.1	12.0	C.C	H 19.9	R 05.9		S 0.10	S 50
			2.0	H 20.0	R 06.5	B 4.7	S 0.10	S 10
			4.0	H 20.5	R 06.6		S 0.18	S 350
			6.0	H 21.0	R 07.0		S 0.33	S 340
			8.0	H 21.5	R 07.3		S 0.36	S 340
			10.0	H 21.5	R 07.4		S 0.38	S 00
			11.5	H 21.5	R 07.4	B 7.2	S 0.33	S 00
22/10/69	6.4	10.0	C.C	H 19.7	R 08.0		S 0.58	S 40
			2.0		R 09.1	B 6.5	S 0.58	S 10
			4.0		R 09.3		S 0.63	S 00
			6.0		R 09.4		S 0.58	S 00
			8.0		R 09.4		S 0.45	S 350
			10.0		R 09.7		S 0.65	S 00
22/10/69	7.3	10.0	C.C	H 17.9	R 09.5		S 0.24	S 10
			2.0	H 18.0	R 09.6	B 6.3	S 0.55	S 10
			4.0	H 18.0	R 09.9		S 0.55	S 00
			6.0	H 18.0	R 10.0		S 0.49	S 00
			8.0	H 17.9	R 10.0		S 0.24	S 00
			10.0	H 17.9	R 10.1		S 0.24	S 350
22/10/69	8.2	10.0	C.C	H 17.9	R 10.6		S 0.45	S 00
			2.0	H 17.9	R 10.6	B 7.2	S 0.60	S 00
			4.0	H 17.9	R 10.6		S 0.50	S 00
			6.0	H 17.9	R 10.6		S 0.50	S 00
			8.0	H 17.9	R 10.6		S 0.48	S 00
			10.0	H 17.9	R 10.6		S 0.45	S 00

(CONTINUED)

STATION M(0.0)B (CONTINUED)

LATITUDE 37DEGREES 31.7MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1200HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	9.1	11.C	C.C	H 17.8	R 10.3	B 8.2	S 0.25	S 00
			2.C	H 17.8	R 11.0		S 0.31	S 00
			4.C	H 17.8	R 11.2		S 0.38	S 00
			6.C	H 17.8	R 11.2		S 0.38	S 00
			8.C	H 17.8	R 11.3		S 0.33	S 00
			10.C	H 17.8	R 11.3		S 0.33	S 00
22/10/69	10.2	10.C	C.C	F 18.1	R 10.6	B 8.1	S 0.10	S 160
			2.C	H 17.9	R 10.7		S 0.10	S 170
			4.C	F 17.9	R 10.8		S 0.09	S 120
			6.C	H 17.9	R 11.1		S 0.09	S 160
			8.C	H 17.9	R 11.2		S 0.05	S 60
			10.C	F 17.9	R 11.3		S 0.13	S 10
22/10/69	11.2	11.C	C.C	F 18.2	R 09.3	B 7.4	S 0.51	S 150
			2.C	F 17.9	R 10.3		S 0.46	S 180
			4.C	H 17.9	R 10.8		S 0.37	S 160
			6.C	H 17.9	R 11.3		S 0.33	S 160
			8.C	F 17.9	R 10.9		S 0.26	S 180
			10.C	H 17.9	R 10.9		S 0.21	S 180
22/10/69	12.2	11.C	C.C	F 17.9	R 09.8	B 6.9	S 0.43	S 180
			2.C	H 17.9	R 09.9		S 0.50	S 160
			4.C	H 18.0			S 0.53	S 160
			6.C	F 18.0			S 0.48	S 170
			8.C	F 18.0	R 09.8		S 0.42	S 180
			10.C	F 18.0	R 10.0		S 0.41	S 180

APPENDIX C

YORK HYDROGRAPHIC STATIONS

Transect	Dates Occupied	
	From	To
Y(26.9)	Oct. 17	Oct. 18
	Oct. 21	Oct. 22
Y(25.6)	Oct. 17	Oct. 18
	Oct. 21	Oct. 22

Quantity	Units	Methods of Determination	Instrument Code	Accuracy
Time	hrs & tenths, EST	Ship's chronometer	-	± 0.05 hr.
Latitude & Longitude	degrees, minutes & tenths	USC&GS Chart	-	± 0.05 min.
Water depth	meters (nearest meter)	Sounding Line	-	± 0.5 m.
Sample depth	meters	marks on current meter cable	-	± 0.1 m.
Temperature	degrees Celsius	ARA thermistor ET-100	H	$\pm 0.1^{\circ}\text{C}$
		Stem thermometer	T	$\pm 0.1^{\circ}\text{C}$
Current speed	meters per second	Hydro Products Current Meter 460	S,U,Y	$+ 0.01$ m/sec, $0.05-0.5$ m/sec; $+ 0.05$ m/sec, $0.5-3.5$ m/sec
		Bendix Current Meter B1	A,B,C	± 0.01 m/sec, $0.05-0.5$ m/sec; ± 0.05 m/sec, $0.5-3.5$ m/sec
		Pritchard Drag	F	± 0.03 m/sec, $0.05-0.5$ m/sec
Current direction	degrees to nearest ten degrees (magnetic)	Hydro Products Current Meter 400	S,U,Y	$\pm 10^{\circ}$
		Bendix Current Meter B5	A,B,C	$\pm 10^{\circ}$
		Ship's Compass	L	$\pm 10^{\circ}$
		Pritchard drag	F	$\pm 10^{\circ}$
Salinity	parts per thousand	Inductance Salinometer	R	$\pm 0.01\%$
Dissolved Oxygen	milligrams per liter	Winkler titration (Azide modification)	B	± 0.2 mg.l. ⁻¹

STATION Y(26.9)A

LATITUDE 37DEGREES 30.7MINUTES NORTH, LONGITUDE 76DEGREES 47.0MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.1	3.0	C.C 2.C 3.C	H 19.4	R 11.2 R 11.3 R 11.4	B 6.8	A 0.32 A 0.33 A 0.25	A 330 A 330 A 340
17/10/69	15.0	3.0	C.C 2.C 3.C	F 19.2	R 11.4 R 11.8 R 11.9	B 6.5	A 0.26 A 0.25 A 0.22	A 330 A 330 A 350
17/10/69	16.4	3.0	C.C 2.C 3.C		R 11.7 R 12.2 R 12.7	B 6.7	A 0.08 A 0.05 A 0.05	A 180 A 230 A 070
17/10/69	17.2	3.0	C.C 2.C 3.C	H 18.8	R 11.7 R 12.1 R 13.2	B 3.9	A 0.24 A 0.20 A 0.15	A 180 A 170 A 170
17/10/69	18.2	4.0	C.C 2.C 3.C	H 19.2	R 11.7 R 12.8 R 14.0	B 4.2	A 0.44 A 0.34 A 0.24	A 160 A 180 A 180
17/10/69	19.3	3.0	C.C 2.C 3.C		R 11.0 R 12.0 R 12.5	B 4.6	A 0.55 A 0.40 A 0.30	A 170 A 160 A 170
17/10/69	20.0	3.0	C.C 2.C 3.C	F 19.0	R 10.9 R 11.4 R 11.5	B 4.9	A 0.46 A 0.37 A 0.31	A 170 A 170 A 170
17/10/69	21.0	3.0	C.C 2.C 3.C	H 19.4	R 10.7 R 10.7 R 10.7	B 6.3	A 0.34 A 0.28 A 0.22	A 150 A 150 A 170
17/10/69	22.0	3.0	C.C 2.C 3.C	F 19.2 F 19.2 F 19.2	R 10.1 R 11.0 R 10.0	B 5.9	A 0.21 A 0.11 A 0.07	A 140 A 140 A 160
17/10/69	23.0	3.0	C.C 2.C 3.C	H 18.8 F 19.0 F 19.1	R 09.4 R 09.7 R 09.8	B 5.7	A 0.16 A 0.11 A 0.11	A 170 A 170 A 170
18/10/69	0.0	3.0	C.C 2.C 3.C	F 18.8 F 19.2	R 09.1 R 09.5 R 09.6	B 5.8	A 0.04 A 0.02 A 0.02	A 180 A 280 A 090

(CONTINUED)

STATION Y(26.9)A (CONTINUED)

LATITUDE 37DEGREES 30.7MINUTES NORTH, LONGITUDE 76DEGREES 47.0MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	1.0	3.0	C.C	H 18.9	R 09.2		A 0.15	A 360
			2.0	H 19.1	R 10.7	B 5.6	A 0.11	A 360
			3.0	H 19.2	R 11.0		A 0.09	A 350
18/10/69	2.0	3.0	C.C	H 18.1	R 10.0		A 0.31	A 360
			2.0	H 18.3	R 11.3	B 4.3	A 0.33	A 350
			3.0	H 18.6	R 11.3		A 0.25	A 360
18/10/69	3.0	4.0	C.C	H 18.3	R 11.0		A 0.36	A 360
			2.0	H 18.5	R 11.0	B 3.0	A 0.35	A 360
			3.0	H 18.6	R 11.7		A 0.30	A 350
18/10/69	4.0	4.0	C.C	H 18.3	R 11.3		A 0.21	A 350
			2.0	H 18.5	R 11.5	B 6.3	A 0.20	A 350
			3.0	H 18.6	R 11.5		A 0.15	A 340
18/10/69	6.2	2.0	C.C	H 17.6	R 11.2		A 0.25	A 240
			2.0	H 18.6	R 12.1	B 6.1	A 0.13	A 290
18/10/69	7.0	2.0	C.C	H 17.4	R 11.0		A 0.37	A 200
			2.0		R 12.0	B 7.1		
18/10/69	8.0	3.0	C.C	H 18.0	R 10.8		A 0.21	A 200
			2.0	H 18.0	R 11.4	B 7.7	A 0.00	A 210
18/10/69	9.0	3.0	C.C	H 18.7	R 10.3		A 0.32	A 200
			2.0	H 18.7	R 10.3	B 6.7	A 0.20	A 220
18/10/69	10.0	3.0	C.C	H 18.2	R 09.7		A 0.22	A 190
			2.0	H 18.7	R 10.0	B 6.1	A 0.08	A 240
18/10/69	11.0	3.0	C.C	H 18.9	R 08.6		A 0.16	A 200
			2.0	H 18.7	R 10.1	B 6.3	A 0.03	A 200
18/10/69	12.0	3.0	C.C	H 19.5	R 08.1		A 0.04	A 180
			2.0	H 18.8	R 09.8	B 5.0	A 0.03	A 050
18/10/69	13.0	3.0	C.C	H 18.3	R 08.2		A 0.11	A 200
			2.0	H 18.8	R 10.2	B 6.5	A 0.19	A 220

STATION Y(26.9)B

LATITUDE 37DEGREES 30.6MINUTES NORTH, LONGITUDE 76DEGREES 47.1MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.4	4.C	C.C	F 19.5	R 11.9	B 4.5	A 0.50	A 350
			2.C		R 12.1		A 0.49	A 350
			4.C		R 12.3		A 0.34	A 350
17/10/69	15.4	4.C	C.C	F 19.4	R 12.7	B 5.5	A 0.42	A 330
			2.C		R 12.7		A 0.38	A 340
			4.C		R 12.7		A 0.31	A 340
17/10/69	16.7	4.C	C.C		R 12.5	B 6.9	A 0.09	A 360
			2.C		R 13.3		A 0.09	A 290
			4.C		R 13.4		A 0.12	A 360
17/10/69	18.0	3.C	C.C	F 19.0	R 12.1	B 4.4	A 0.45	A 170
			2.C		R 12.3		A 0.64	A 170
			3.C		R 12.1		A 0.25	A 150

STATION Y(26.9)C

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.6	7.0	C.C	F 19.5	R 12.1		A 0.68	A 350
			2.C		R 12.4	B 6.6	A 0.60	A 350
			4.C		R 12.7		A 0.60	A 350
			6.C		R 12.7	B 6.3	A 0.48	A 350
17/10/69	15.9	7.0	C.C	F 19.5	R 13.3		A 0.44	A 360
			2.C		R 13.6	B 6.9	A 0.39	A 350
			4.C		R 13.7		A 0.32	A 350
			6.C		R 13.8	B 6.5	A 0.25	A 360
17/10/69	16.8	7.0	C.C	F 19.0	R 13.7		A 0.30	A 360
			2.C		R 13.7		A 0.35	A 350
			4.C		R 13.9		A 0.27	A 350
			6.C		R 13.0		A 0.21	A 360
17/10/69	17.7	7.0	C.C	F 18.7	R 13.9		A 0.14	A 190
			2.C		R 13.8	B 4.3	A 0.07	A 310
			4.C		R 13.8		A 0.11	A 300
			6.C		R 14.2	B 4.4	A 0.06	A 350
17/10/69	18.7	6.0	C.C	F 18.8	R 11.8		A 0.55	A 180
			2.C		R 12.8	B 4.3	A 0.40	A 180
			4.C		R 14.0		A 0.19	A 170
			5.C		R 14.1	B 4.3	A 0.18	A 170
17/10/69	19.6	6.0	C.C	F 19.2	R 11.7		A 0.73	A 160
			2.C		R 11.8	B 4.6	A 0.55	A 180
			4.C		R 12.6		A 0.34	A 170
			5.C		R 14.0	B 3.2	A 0.26	A 160
17/10/69	20.1	6.0	C.C	F 19.2	R 11.0		A 0.70	A 180
			2.C		R 11.6	B 4.5	A 0.65	A 180
			4.C		R 12.7		A 0.55	A 170
			5.C		R 13.6	B 4.9	A 0.39	A 170
17/10/69	21.1	6.0	C.C	H 19.2	R 10.3		A 0.65	A 170
			2.C		R 10.8	B 6.4	A 0.60	A 170
			4.C		R 12.1		A 0.60	A 170
			5.C		R 12.9	B 5.9	A 0.50	A 170
17/10/69	22.1	6.0	C.C	F 19.1	R 09.4		A 0.41	A 170
			2.C	H 19.2	R 10.3	B 5.9	A 0.44	A 170
			4.C	F 19.2	R 11.4		A 0.31	A 160
			5.C	H 19.3	R 11.9	B 5.8	A 0.32	A 160

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STATION Y(26.9)C (CONTINUED)

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	23.1	6.0	C.C	F 18.9	R 08.9		A 0.34	A 160
			2.C	F 19.1	R 09.7	B 5.1	A 0.34	A 160
			4.C	F 19.2	R 10.9		A 0.24	A 170
			5.C	F 19.3	R 11.3	B 5.2	A 0.17	A 160
18/10/69	0.1	6.0	C.C	F 18.9	R 09.0		A 0.15	A 190
			2.C	F 19.0	R 09.5		A 0.22	A 170
			4.C	F 19.2	R 11.0		A 0.06	A 170
			5.C	F 19.3	R 11.2	B 4.7	A 0.03	A 120
18/10/69	1.2	6.0	C.C	F 18.8	R 08.9		A 0.01	A 270
			2.C	F 19.0	R 09.9	B 4.6	A 0.07	A 310
			4.C	F 19.2	R 10.7		A 0.09	A 360
			5.C	F 19.3	R 10.5	B 5.4	A 0.09	A 370
18/10/69	2.2	6.0	C.C	F 18.5	R 09.4		A 0.18	A 350
			2.C	F 19.1	R 10.6	B 4.5	A 0.24	A 020
			4.C	F 19.2	R 10.8		A 0.29	A 020
			5.C	F 19.1	R 10.9	B 5.1	A 0.31	A 360
18/10/69	3.1	6.0	C.C	F 18.5	R 10.2		A 0.20	A 360
			2.C	F 19.0	R 11.0	B 4.6	A 0.34	A 360
			4.C	F 19.2	R 12.0		A 0.30	A 350
			5.C	F 19.2	R 12.2	B 5.4	A 0.30	A 350
18/10/69	5.2	6.0	C.C	F 18.4	R 12.0		A 0.21	A 360
			2.C	F 19.0	R 12.6	B 3.9	A 0.19	A 340
			4.C	F 19.1	R 12.7		A 0.11	A 340
			5.C	F 19.1	R 12.8	B 5.9	A 0.09	A 360
18/10/69	6.5	5.0	C.C	F 18.3	R 11.9		A 0.15	A 190
			2.C	F 18.4	R 12.7	B 8.6	A 0.11	A 300
			4.C	F 19.1	R 12.7	B 6.9	A 0.04	A 310
18/10/69	7.2	6.0	C.C	F 17.6	R 11.2		A 0.33	A 200
			2.C	F 18.4	R 11.8	B 7.1	A 0.30	A 220
			4.C	F 19.0	R 12.7	B 8.4	A 0.21	A 210
			5.C	F 19.0	R 12.8	B 6.9	A 0.13	A 220
18/10/69	8.4	6.0	C.C	F 18.5	R 10.4		A 0.65	A 200
			2.C	F 18.6	R 11.3	B 6.9	A 0.48	A 210
			4.C	F 18.9	R 12.3		A 0.34	A 210
			5.C	F 18.9	R 12.3	B 6.7	A 0.28	A 220

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STATION Y(26.9)C (CONTINUED)

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	9.2	5.C	C.C	F 18.6	R 09.8		A 0.55	A 220
			2.C	F 18.7	R 10.6	B 8.5	A 0.50	A 220
			4.C	F 18.9	R 11.8	B 8.1	A 0.36	A 200
			5.C	F 18.9	R 11.9	B 6.8	A 0.31	A 210
18/10/69	10.2	5.C	C.C	F 18.7	R 08.5		A 0.47	A 210
			2.C	F 18.7	R 09.8	B 7.5	A 0.49	A 220
			4.C	F 18.9	R 11.2		A 0.27	A 240
			5.C	F 18.9	R 11.4	B 7.0	A 0.17	A 210
18/10/69	11.2	6.C	C.C	F 18.8	R 07.7		A 0.33	A 200
			2.C	F 18.8	R 09.3	B 6.9	A 0.47	A 230
			4.C	F 18.8	R 10.9		A 0.21	A 220
			5.C	F 18.9	R 11.2	B 7.6	A 0.75	A 200
18/10/69	12.3	5.C	C.C	F 19.3	R 07.8		A 0.19	A 200
			2.C	F 18.9	R 09.1	B 5.0	A 0.20	A 210
			4.C	F 18.8	R 10.3		A 0.07	A 240
			5.C	F 18.9	R 10.8	B 3.3	A 0.13	A 020
18/10/69	13.2	6.C	C.C	F 19.4	R 07.8		A 0.05	A 280
			2.C	F 18.8	R 09.2	B 6.3	A 0.11	A 320
			4.C	F 18.8	R 10.1		A 0.14	A 320
			5.C	F 18.9	R 10.9	B 6.0	A 0.21	A 300

STATION Y(26.9)D

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.8	5.C	C.C 2.C 4.C	H 19.4	R 12.1 R 13.0 R 13.2	B 6.6 B 5.3	A 0.55 A 0.50 A 0.46	A 350 A 340 A 350
17/10/69	16.2	5.C	C.C 2.C 4.C	H 19.2	R 12.9 R 14.0 R 14.0	B 6.6 B 6.2	A 0.41 A 0.36 A 0.25	A 040 A 350 A 350
17/10/69	17.0	5.C	C.C 2.C 4.C	H 18.7	R 13.2 R 13.3 R 14.1		A 0.28 A 0.18 A 0.16	A 360 A 360 A 360
17/10/69	17.8	5.C	C.C 2.C 4.C	H 19.0	R 12.0 R 12.7 R 14.1	B 4.1 B 3.5	A 0.24 A 0.09 A 0.03	A 170 A 180 A 140
17/10/69	19.1	4.C	C.C 2.C 3.C	H 18.8	R 12.6 R 12.7 R 13.3	B 3.4 B 4.2	A 0.63 A 0.55 A 0.45	A 180 A 180 A 180
17/10/69	19.6	4.C	C.C 2.C 3.C		R 12.0 R 12.0 R 12.1	B 4.6 B 5.0	A 0.60 A 0.50 A 0.38	A 170 A 170 A 180
17/10/69	20.2	4.C	C.C 2.C 3.C	H 18.8	R 11.7 R 12.1 R 12.1	B 6.8 B 6.6	A 0.70 A 0.60 A 0.40	A 170 A 170 A 170
17/10/69	21.3	4.C	C.C 2.C 3.C	H 19.2	R 11.4 R 12.0 R 12.6	B 5.2 B 4.1	A 0.60 A 0.50 A 0.36	A 160 A 170 A 160
17/10/69	22.2	4.C	C.C 2.C 3.C	F 18.9 F 19.1 F 19.2	R 10.9 R 11.0 R 11.7	B 5.7 B 4.6	A 0.45 A 0.39 A 0.22	A 160 A 170 A 160
17/10/69	23.4	4.C	C.C 2.C 3.C	F 18.7 F 18.9 F 19.0	R 10.4 R 10.5 R 10.9	B 5.1 B 4.9	A 0.24 A 0.19 A 0.05	A 160 A 160 A 170
18/10/69	0.3	4.C	C.C 2.C 3.C	F 18.8 F 18.9 F 18.9	R 09.6 R 10.1 R 10.4	B 5.4 B 5.4	A 0.12 A 0.12 A 0.10	A 190 A 200 A 180

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STATION Y(26.9)D (CONTINUED)

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1300HRS

DATE-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	1.0	4.0	C.C	F 18.8	R 09.1		A 0.10	A 210
			2.C	F 18.9	R 10.0	B 4.5	A 0.08	A 260
			3.C	F 18.9	R 10.1	B 4.0	A 0.07	A 280
18/10/69	2.3	4.0	C.C	F 18.5	R 09.4		A 0.20	A 360
			2.C	F 19.0	R 10.7	B 3.2	A 0.34	A 020
			3.C	F 18.9	R 10.9	B 4.2	A 0.33	A 010
18/10/69	3.4	5.0	C.C	F 18.5	R 10.7		A 0.42	A 360
			2.C	F 19.1	R 10.9	B 5.6	A 0.46	A 350
			4.C	F 19.2	R 10.3	B 4.7	A 0.44	A 350
18/10/69	4.4	4.0	C.C	F 18.3	R 11.8		A 0.42	A 360
			2.C	F 18.6	R 12.2	B 6.6	A 0.34	A 350
			3.C	F 18.8	R 12.4	B 5.5	A 0.27	A 360
18/10/69	6.8	2.0	C.C	F 18.0	R 11.2		A 0.15	A 310
			2.C	F 18.7		B 7.6	A 0.04	A 240
18/10/69	7.6	2.0	C.C	F 17.3	R 10.9		A 0.47	A 210
			2.C	F 18.3	R 12.3	B 8.0	A 0.29	A 220
18/10/69	8.7	4.0	C.C	F 17.8	R 10.7		A 0.55	A 220
			2.C	F 18.2	R 11.2	B 7.8	A 0.42	A 230
			3.C	F 18.3	R 11.3	B 6.5	A 0.34	A 220
18/10/69	9.5	4.0	C.C	F 18.4	R 10.5		A 0.53	A 210
			2.C	F 18.6	R 11.2	B 8.4	A 0.37	A 230
			3.C	F 18.7	R 11.4	B 8.5	A 0.23	A 220
18/10/69	10.5	4.0	C.C	F 18.7	R 09.6		A 0.45	A 250
			2.C	F 18.6	R 10.2	B 5.5	A 0.25	A 250
			3.C	F 18.6	R 10.7	B 6.4	A 0.18	A 240
18/10/69	11.4	4.0	C.C	F 18.8	R 09.2		A 0.05	A 210
			2.C	F 18.7	R 09.4	B 8.0	A 0.02	A 210
			3.C	F 18.8	R 10.7	B 7.5	A 0.02	A 260
18/10/69	12.6	4.0	C.C	F 19.2	R 08.1		A 0.27	A 210
			2.C	F 18.9	R 09.0	B 5.3	A 0.04	A 200
			3.C	F 19.1			A 0.02	A 230
18/10/69	13.6	5.0	C.C	F 19.7	R 07.7		A 0.09	A 140
			2.C	F 18.8	R 09.2	B 7.0	A 0.33	A 180
			4.C	F 18.7	R 10.6	B 5.8	A 0.22	A 250

STATION Y(26.9)A

LATITUDE 37DEGREES 30.7MINUTES NORTH, LONGITUDE 76DEGREES 47.0MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.2	2.0	C.C 2.0	J 19.0 J 18.7	R 09.2 R 11.7		C 0.53 C 0.19	C 160 C 150
21/10/69	12.1	2.0	C.C 2.0	J 19.1 J 18.9	R 08.8 R 11.0		C 0.58 C 0.26	
21/10/69	13.1	2.0	C.C 2.0	J 19.2 J 18.9	R 08.8 R 10.6		C 0.51 C 0.17	L 150
21/10/69	14.0	2.0	C.C 2.0	J 19.2 J 19.2	R 08.1 R 10.2		C 0.33 C 0.11	L 130
21/10/69	15.0	2.0	C.C 2.0	J 19.3 J 19.2	R 07.7 R 10.2		C 0.15 C 0.07	L 110
21/10/69	15.9	2.0	C.C 2.0	J 19.5 J 19.0	R 10.6 R 08.4		C 0.08 C 0.20	L 060
21/10/69	17.0	2.0	C.C 2.0	J 19.4 J 19.1	R 09.0 R 10.2		C 0.43 C 0.34	L 010
21/10/69	18.0	3.0	C.C 2.0	J 18.5 J 18.5	R 10.5 R 10.5		C 0.65 C 0.58	L 00 18
21/10/69	20.0	3.0	C.C 2.0	J 18.0 J 19.2	R 12.2 R 12.3		C 0.45 C 0.35	L 350 L 350
21/10/69	21.2	3.0	C.C 2.0	J 17.9 J 17.9	R 11.6 R 12.8		C 0.17 C 0.22	L 350 L 350
21/10/69	23.0	3.0	C.C 2.0	J 17.9 J 17.9	R 11.1 R 12.9		C 0.47 C 0.27	L 150 L 150
22/10/69	0.0	3.0	C.C 2.0	J 18.2 J 18.2	R 07.6 R 09.3		C 0.44 C 0.37	L 150 L 150
22/10/69	2.0	3.0	C.C 2.0	J 18.1 J 18.1	R 11.1 R 11.1		C 0.65 C 0.58	L 150 L 150
22/10/69	3.0	3.0	C.C 2.0	J 18.0 J 18.1	R 08.7 R 09.0		C 0.58 C 0.34	L 150 L 150
22/10/69	4.0	3.0	C.C 2.0	F 17.7 F 17.7	R 08.4 R 09.9		C 0.09 C 0.08	L 150 L 150

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STATION Y(26.9)A (CONTINUED)

LATITUDE 37DEGREES 30.7MINUTES NORTH, LONGITUDE 76DEGREES 47.0MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 0800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	5.0	3.0	0.0	J 17.9	R 09.2		C 0.33	L 180
			2.0	J 17.9			C 0.22	L 180
22/10/69	6.5	3.0	0.0	J 18.2	R 10.4		C 0.50	L 160
			2.0	J 18.5	R 10.5		C 0.31	L 160
22/10/69	8.2	3.0	0.0	J 18.4	R 11.8		C 0.30	L 150
			2.0	J 18.5	R 11.9		C 0.28	L 150
			3.0	J 18.6	R 11.9		C 0.21	L 150

STATION Y(26.9)B

LATITUDE 37DEGREES 30.6MINUTES NORTH, LONGITUDE 76DEGREES 47.1MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.3	3.0	C.C 2.C	J 19.1 J 18.8	R 09.7 R 11.8		C 0.62 C 0.28	C 160 C 160
21/10/69	12.4	3.0	C.C 2.C	J 19.2 J 18.8	R 08.9		C 0.80 C 0.31	L 150
21/10/69	13.2	3.0	C.C 2.C	J 19.2 J 19.1	R 07.3 R 10.5		C 0.66 C 0.25	L 150
21/10/69	14.2	3.0	C.C 2.C	J 19.2 J 19.1	R 07.8 R 10.7		C 0.39 C 0.22	L 140
21/10/69	15.2	3.0	C.C 2.C	J 19.2 J 19.1	R 07.2 R 09.9		C 0.14 C 0.07	L 100
21/10/69	16.1	3.0	C.C 2.C	J 19.2 J 19.0	R 07.4		C 0.10 C 0.26	L 060
21/10/69	17.2	3.0	C.C 2.C 2.6	J 19.3 J 19.1 J 19.1	R 08.4 R 10.3		C 0.36 C 0.36 C 0.37	L 320
21/10/69	20.1	4.0	C.C 2.C 4.C	J 18.4 J 18.4 J 18.5	R 12.3 R 12.3 R 12.3		C 0.45 C 0.40 C 0.32	L 350 L 350 L 350
21/10/69	21.2	3.0	C.C 2.C	J 18.0 J 18.0	R 11.4 R 12.8		C 0.29 C 0.19	L 350 L 350
21/10/69	23.2	3.0	C.C 2.C	J 18.2 J 18.2	R 10.1 R 12.8		C 0.36 C 0.35	L 150 L 150
22/10/69	0.2	3.0	C.C 2.C	J 18.0 J 18.0	R 10.5 R 10.4		C 0.85 C 0.55	L 150 L 150
22/10/69	2.1	3.0	C.C 2.C	J 17.5 J 18.3	R 11.1 R 11.1		C 0.75 C 0.58	L 150 L 150
22/10/69	3.2	3.0	C.C 2.C	J 18.0 J 18.1	R 08.4 R 10.1		C 0.58 C 0.22	L 150 18
22/10/69	4.2	3.0	C.C 2.C	J 17.1 J 17.6	R 08.0 R 09.8		C 0.15 C 0.10	L 150 L 150

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STATION Y(26.9)B (CONTINUED)

LATITUDE 37DEGREES 30.6MINUTES NORTH, LONGITUDE 76DEGREES 47.1MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 800HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	5.2	3.0	C.C	J 17.7	R 08.8		C 0.37	L 10
			2.0	J 17.7	R 10.0		C 0.34	L 10
22/10/69	6.8	4.0	C.C	J 18.4	R 10.7		C 0.60	L 150
			2.0	J 18.4	R 10.7		C 0.55	
			3.0	J 18.5	R 10.7		C 0.35	

STATION Y(26.9)C

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 0800HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.5	5.0	C.C	J 19.1	R 09.3	B 8.2	C 0.62	C 00
			2.0	J 18.7	R 11.7		C 0.34	C 330
			4.0	J 18.7	R 11.7		C 0.12	C 340
			4.9	J 18.7			C 0.19	C 350
			5.9	J 18.7	R 11.8			18
21/10/69	12.6	5.0	C.C	J 19.3	R 07.3	B 8.7	C 0.67	L 330
			2.0	J 19.1	R 10.4		C 0.56	18
			4.0	J 18.9			C 0.33	18
			4.6	J 18.8			C 0.22	18
			5.8		R 11.5			18
21/10/69	13.4	5.0	C.C	J 19.3	R 07.8	B 7.0	C 0.60	L 330
			2.0	J 19.3	R 09.2		C 0.55	18
			4.0	J 19.0	R 12.1		C 0.31	18
			4.7	J 19.0			C 0.27	18
			5.7		R 10.6			18
21/10/69	14.3	5.0	C.C	J 19.3	R 09.2	B 8.9	C 0.44	L 310
			2.0	J 19.2	R 10.0		C 0.42	18
			4.0	J 19.0	R 09.9		C 0.16	18
			4.7	J 18.9			C 0.10	18
			5.7		R 10.4			18
21/10/69	15.2	5.0	C.C	J 19.3	R 06.6	B 7.1	C 0.07	L 290
			2.0	J 19.2	R 09.4		C 0.15	18
			4.0	J 19.0	R 09.5		C 0.10	18
			4.8	J 18.9			C 0.12	18
			5.8		R 10.4			18
21/10/69	16.2	5.0	C.C	J 19.2	R 07.8	B 7.2	C 0.07	L 300
			2.0	J 19.1	R 09.3		C 0.13	18
			4.0	J 19.1	R 09.8		C 0.19	18
			4.7	J 19.0			C 0.12	18
			5.7		R 10.3			18
21/10/69	17.5	6.0	C.C	J 19.2	R 07.6	B 6.9	C 0.41	L 190
			2.0	J 19.1	R 09.8		C 0.53	18
			4.0	J 19.1	R 10.4		C 0.42	18
			5.0	J 19.0			C 0.40	18
			6.0		R 10.4			18

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STATION Y(26.9)C (CONTINUED)

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 800HRS

DA-MO-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	20.2	6.0	0.0	J 18.0	R 12.0	B 8.7	C 0.65	L 350
			2.0	J 18.6	R 12.4		C 0.35	18
			4.0	J 18.7	R 12.7		C 0.34	18
			6.0	J 18.7	R 12.7		C 0.29	18
21/10/69	21.3	6.0	0.0	J 17.9	R 10.1	B 9.0	C 0.18	L 350
			2.0	J 17.4	R 12.7		C 0.13	18
			4.0	J 18.4	R 12.1		C 0.07	18
			6.0	J 18.6	R 12.1		C 0.10	18
21/10/69	23.4	6.0	0.0	J 17.9	R 10.1	B 9.6	C 0.65	L 150
			2.0	J 17.9	R 11.8		C 0.39	L 150
			4.0	J 18.6	R 12.7		C 0.31	L 150
			6.0	J 18.6	R 12.9		C 0.27	L 150
22/10/69	0.2	5.0	0.0	J 17.9	R 09.8	B 6.9	C 0.65	L 150
			2.0	J 18.4	R 10.5		C 0.65	L 150
			4.0	J 18.5	R 12.1		C 0.55	L 150
22/10/69	2.2	5.0	0.0	J 17.9	R 08.5	B 6.8	C 0.65	L 150
			2.0	J 17.9	R 09.6		C 0.65	L 150
			4.0	J 17.9	R 10.5		C 0.58	L 150
22/10/69	3.3	5.0	0.0	J 17.4	R 07.9	B 9.4	C 0.58	L 150
			2.0	J 18.1	R 09.7		C 0.58	L 150
			4.0	J 18.5	R 09.9		C 0.32	L 150
22/10/69	4.3	3.0	0.0	J 17.6	R 07.2	B 6.7	C 0.13	L 150
			2.0	J 17.6	R 08.6		C 0.10	L 150
			4.0	J 18.5	R 09.4		C 0.12	L 150
22/10/69	5.5	5.0	0.0	J 17.0	R 08.0	B 7.4	C 0.25	L 40
			2.0	J 18.0	R 09.7		C 0.32	L 40
			4.0	J 18.5	R 09.8		C 0.27	L 40
			6.0	J 18.8	R 09.8		C 0.25	L 40
22/10/69	7.0	7.0	0.0	J 17.7	R 11.1		C 0.70	L 00
			2.0	J 18.1	R 11.1		C 0.60	L 00
			4.0	J 18.5	R 11.0		C 0.50	L 00
			6.0	J 18.6	R 11.0		C 0.41	L 00
			7.0		R 10.9			L 00

STATION Y(26.9)D

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 800HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.7	5.0	0.0	J 19.0	R 10.7		C 0.39	C 160
			2.0	J 19.0	R 10.8		C 0.38	C 170
			4.0	J 18.9	R 11.0		C 0.24	C 160
21/10/69	12.8	5.0	0.0	J 19.2	R 09.2		C 0.29	L 150
			2.0	J 19.1	R 10.6		C 0.43	
			4.0	J 18.9	R 10.7		C 0.26	
21/10/69	13.6	5.0	0.0	J 19.2	R 09.8		C 0.41	L 130
			2.0	J 19.1	R 09.9		C 0.40	
			4.0	J 18.9	R 10.7		C 0.15	
21/10/69	14.5	5.0	0.0	J 19.2	R 09.3		C 0.41	L 130
			2.0	J 19.2	R 09.7		C 0.25	
			4.0	J 19.0	R 09.8		C 0.09	
21/10/69	15.5	5.0	0.0	J 19.2	R 08.9		C 0.09	L 120
			2.0	J 19.2	R 10.0		C 0.06	
			4.0	J 19.1	R 09.2		C 0.15	
21/10/69	16.5	5.0	0.0	J 19.3	R 07.4		C 0.10	L 330
			2.0	J 19.3	R 09.3		C 0.14	18
			4.0	J 19.6	R 09.4		C 0.11	18
21/10/69	17.7	5.0	0.0	J 19.1	R 07.5		C 0.70	L 10
			2.0	J 19.0	R 10.4		C 0.70	L 10
			4.0	J 19.0	R 10.7		C 0.60	L 10
21/10/69	20.5	6.0	0.0	J 19.0	R 12.2		C 0.65	L 350
			2.0	J 19.1	R 12.7		C 0.17	L 350
			4.0	J 19.1	R 12.9		C 0.39	L 350
			6.0	J 19.1	R 12.9		C 0.30	L 350
21/10/69	21.8	6.0	0.0	J 18.1	R 10.5		C 0.15	L 350
			2.0	J 18.1	R 11.4		C 0.13	L 350
			4.0	J 18.1	R 12.6		C 0.12	L 350
			6.0	J 18.1	R 12.1		C 0.10	L 350
21/10/69	23.8	5.0	0.0	J 18.3	R 09.5		C 0.49	L 150
			2.0	J 18.5	R 09.6		C 0.49	L 150
			4.0	J 18.8	R 08.0		C 0.22	L 150
22/10/69	0.6	5.0	0.0	J 18.6	R 11.0		C 0.55	L 150
			2.0	J 18.7	R 11.0		C 0.55	L 150
			4.0	J 18.8	R 10.9		C 0.38	L 150

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STATION Y(26.9)D (CONTINUED)

LATITUDE 37DEGREES 30.5MINUTES NORTH, LONGITUDE 76DEGREES 47.5MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 800HRS

DA-MO-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	2.7	5.0	C.C	J 17.1	R 10.0		C 0.65	L 150
			2.C	J 17.8	R 10.1		C 0.58	L 150
			4.C	J 18.5	R 10.1		C 0.39	L 150
22/10/69	3.5	5.0	C.C	J 18.3	R 09.6		C 0.65	L 150
			2.C	J 18.5	R 09.7		C 0.37	L 150
			4.C	J 18.7	R 09.9		C 0.26	L 150
22/10/69	4.6	5.0	C.C	J 17.0	R 08.0		C 0.10	L 180
			2.C	J 18.1	R 08.5		C 0.13	L 180
			4.C	J 18.6	R 09.2		C 0.06	L 180
22/10/69	5.7	6.0	C.C	J 17.7	R 07.6		C 0.27	L 180
			2.C	J 18.1	R 09.3		C 0.34	L 180
			4.C	J 18.5	R 09.5		C 0.34	L 180
			6.C	J 18.8	R 09.6		C 0.25	L 180
22/10/69	8.5	7.0	C.C	J 18.6	R 11.1		C 0.60	L 30
			2.C	J 18.6	R 11.1		C 0.60	L 30
			4.C	J 18.6	R 10.9		C 0.60	L 30
			6.C	J 18.6	R 11.1		C 0.55	L 30
			7.C	J 18.6	R 11.0		C 0.45	L 30

STATION Y(25.6)A

LATITUDE 37DEGREES 29.9MINUTES NORTH, LONGITUDE 76DEGREES 46.1MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1400HRS

DA-MC-YR	PCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	18.0	3.0	C.C 2.0	H 19.1 H 19.3	R 12.7 R 13.5			U 130 U 130
17/10/69	19.1	3.0	C.C 2.0	H 18.8 H 19.2	R 12.9 R 13.4			U 130 U 120
17/10/69	21.4	3.0	C.C 2.0	H 19.1 H 19.3	R 12.7 R 11.6			U 140 U 140
17/10/69	22.1	3.0	C.C 2.0	H 18.3 H 18.9	R 11.6 R 12.7			U 170 U 120
17/10/69	23.1	3.0	C.C 2.0	H 18.1 H 18.6	R 11.1 R 12.7			U 170 U 110
18/10/69	0.0	3.0	C.C 2.0	H 17.7 H 18.7	R 11.2 R 12.8			U 240 U 350
18/10/69	1.1	3.0	C.C 2.0	H 18.5 H 18.7	R 10.9 R 11.6			U 360 U 310
18/10/69	2.1	3.0	C.C 2.0	H 18.3 H 18.7	R 10.5 R 09.9			U 340 U 320
18/10/69	3.0	3.0	C.C 2.0	H 17.4 H 18.3	R 11.4 R 12.3			U 320 U 310
18/10/69	7.5	3.0	C.C 2.0	H 18.2 H 18.3	R 12.1 R 12.7			U 140 U 140
18/10/69	8.5	3.0	C.C 2.0	H 17.8 H 18.4	R 11.9 R 12.0			U 140 U 150
18/10/69	9.5	3.0	C.C 2.0	H 18.6 H 18.6	R 11.0 R 11.4			U 140 U 140
18/10/69	11.5	3.0	C.C 2.0	H 18.8 H 18.7	R 10.4 R 11.8			U 150 U 090
18/10/69	13.0	3.0	C.C 2.0	H 19.0 H 18.7	R 09.7 R 10.0			U 360 U 320

STATION Y(25.6)B

LATITUDE 37DEGREES 29.7MINUTES NORTH, LONGITUDE 76DEGREES 46.2MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1400HRS

DATE-TIME	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	14.0	3.0	C.C 2.0 3.0	H 19.5 F 19.4	R 12.5 R 12.7 R 12.7	B 6.1		U 330 U 340
17/10/69	14.7	3.0	C.C 2.0	H 19.2	R 12.4 R 12.6	B 6.8		U 360 U 310
17/10/69	17.5	4.0	C.C 2.0 3.0	F 18.8	R 12.2 R 11.6 R 11.6	B 4.3	A 0.19 A 0.12 A 0.09	A 170 A 190 A 120
17/10/69	18.5	8.0	C.C 2.0 4.0 6.0 8.0	F 19.2 F 19.2 F 19.3 F 19.4	R 12.8 R 13.4 R 14.2 R 14.5 R 14.7			U 140 U 130 U 100 U 100
17/10/69	19.2	8.0	C.C 2.0 4.0 6.0 8.0	F 19.3 F 19.1 F 19.2 F 19.4	R 12.7 R 13.5 R 13.8 R 14.4 R 14.5			U 120 U 110 U 100 U 110
17/10/69	21.7	7.0	C.C 2.0 4.0 6.0	F 18.6 F 18.9 F 19.1 F 19.2	R 11.6 R 12.3 R 12.3 R 12.5			U 130 U 120 U 110 U 130
17/10/69	22.2	7.0	C.C 2.0 4.0 6.0	F 18.5 F 19.1 F 19.2 F 19.2	R 11.3 R 11.9 R 12.6 R 10.6			U 150 U 120 U 120 U 130
17/10/69	23.2	8.0	C.C 2.0 4.0 6.0 8.0	F 18.3 F 18.8 F 18.9 F 19.1	R 10.4 R 11.5 R 11.6 R 12.0 R 12.4			U 130 U 120 U 120 U 140
18/10/69	0.2	7.0	C.C 2.0 4.0 6.0	F 18.3 F 18.6 F 18.8 F 19.0	R 11.6 R 11.0 R 11.2 R 11.4			U 110 U 090 U 110 U 140

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STATION Y(25.6)B (CONTINUED)

LATITUDE 37DEGREES 29.7MINUTES NORTH, LONGITUDE 76DEGREES 46.2MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	1.3	7.0	C.C	F 18.3	R 10.1			U 350
			2.0	F 18.9	R 11.4			U 300
			4.0	F 19.0	R 12.4			U 300
			6.0	F 19.3	R 12.7			U 280
18/10/69	2.2	7.0	C.C	F 17.9	R 10.4			U 310
			2.0	F 18.5	R 11.8			U 310
			4.0	F 18.8	R 12.3			U 310
			6.0	F 19.0	R 12.7			U 280
18/10/69	3.2	7.0	C.C	F 18.4	R 11.5			U 310
			2.0	F 18.9	R 12.5			U 310
			4.0	F 19.1	R 13.1			U 300
			6.0	F 19.2	R 13.2			U 300
18/10/69	7.5	6.0	C.C	F 18.5	R 11.9			U 140
			2.0	F 18.8	R 13.4	B 6.9		U 110
			4.0	F 18.6	R 11.7			U 130
18/10/69	9.0	6.0	C.C	F 18.8	R 11.9			U 130
			2.0	F 18.7	R 12.3	B 6.3		U 120
			4.0	F 18.7	R 12.6			U 120
18/10/69	10.0	6.0	C.C	F 18.7	R 10.6			U 130
			2.0	F 18.5	R 11.1	B 6.2		U 110
			4.0	F 18.5	R 11.2			U 130
18/10/69	11.5	7.0	C.C	F 18.9	R 09.7			U 130
			2.0	F 18.7	R 10.6	B 6.1		U 130
			4.0	F 18.6	R 10.6			U 120
			6.0	F 18.6	R 11.2			U 110
18/10/69	13.5	6.0	C.C	F 18.7	R 09.3			U 310
			2.0	F 18.7	R 10.7	B 2.9		U 310
			4.0	F 18.6	R 11.8			U 310

STATION Y(25.6)C

LATITUDE 37DEGREES 29.6MINUTES NORTH, LONGITUDE 76DEGREES 46.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
17/10/69	15.0	3.0	C.C 2.0	F 19.3 F 19.4	R 13.4 R 13.4	B 6.8		U 320 U 330
17/10/69	15.5	6.0	C.C 2.0 4.0 6.0	F 19.4 F 19.4	R 13.4 R 14.2 R 14.2 R 14.3	B 6.5		U 330 U 320
17/10/69	18.8	6.0	C.C 2.0 4.0 6.0	F 18.9 F 19.1 F 19.1	R 13.2 R 13.4 R 13.6 R 14.6	B 6.5		U 120 U 120 U 120
17/10/69	20.3	8.0	C.C 2.0 4.0 6.0		R 12.4 R 12.4 R 12.4 R 12.4	B 6.6		
17/10/69	21.8	8.0	C.C 2.0 4.0 6.0 7.0	F 18.8 F 19.0 F 19.0 F 19.1	R 11.6 R 11.1 R 11.8 R 11.8 R 11.8	B 6.0		U 120 U 130 U 120 U 120
17/10/69	22.5	8.0	C.C 2.0 4.0 6.0 7.5	F 18.5 F 18.8 F 18.9 F 18.8	R 10.6 R 11.3 R 11.9 R 11.9 R 12.2	B 4.9		U 130 U 130 U 120 U 120
17/10/69	23.5	8.0	C.C 2.0 4.0 6.0 8.0	F 18.3 F 18.6 F 18.7 F 19.0	R 10.0 R 10.8 R 11.3 R 12.1 R 12.3	B 5.9		U 130 U 110 U 110 U 140
18/10/69	0.4	8.0	C.C 2.0 4.0 6.0 8.0	F 17.8 F 18.2 F 18.6 F 18.9	R 09.9 R 11.0 R 11.6 R 12.3 R 12.6	B 6.0		U 120 U 110 U 100 U 330

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STATION Y(25.6)C (CONTINUED)

LATITUDE 37DEGREES 29.6MINUTES NORTH, LONGITUDE 76DEGREES 46.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1400HRS

DATE-YR	FCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	1.3	8.0	C.C	F 17.9	R 10.2			U 350
			2.C	F 18.5	R 11.0	B 6.2		U 320
			4.C	F 19.0	R 12.4			U 310
			6.C	F 19.1	R 12.7			U 290
			8.C		R 12.7			
18/10/69	2.6	8.0	C.C	F 18.1	R 11.0			U 310
			2.C	F 19.4	R 11.6	B 7.1		U 310
			4.C	F 19.7	R 12.0			U 300
			6.C	F 19.0	R 13.0			U 290
			8.C		R 13.0			
18/10/69	3.4	8.0	C.C	F 18.5	R 11.7			U 310
			2.C	F 18.5	R 11.8	B 6.3		U 310
			4.C	F 18.5	R 12.3			U 300
			6.C	F 19.0	R 13.5			U 290
			8.C		R 13.6			
18/10/69	4.1	8.0	C.C	F 18.4	R 11.7			U 310
			2.C	F 18.5	R 11.9	B 6.3		U 310
			4.C	F 19.0	R 12.5			U 300
			6.C	F 19.1	R 14.0			U 300
			8.C		R 14.0			
18/10/69	5.1	8.0	C.C	F 18.2	R 11.8			U 320
			2.C	F 18.7	R 12.3			U 310
			4.C	F 18.9	R 13.7			U 290
			6.C	F 19.2	R 14.2			U 300
			8.C		R 14.3			
18/10/69	6.0	8.0	C.C	F 18.5	R 12.0			U 140
			2.C	F 18.7	R 13.0	B 6.6		U 170
			4.C	F 18.9	R 13.7			U 170
			6.C	F 18.8	R 12.5			U 170
18/10/69	7.0	8.0	C.C	F 17.2	R 11.1			U 130
			2.C	F 18.3	R 12.5	B 6.5		U 140
			4.C	F 18.4	R 13.9			U 110
			6.C	F 18.2	R 14.0			U 130
18/10/69	8.0	8.0	C.C	F 18.2	R 11.7			U 140
			2.C	F 18.3	R 11.9	B 6.9		U 120
			4.C	F 18.3	R 12.0			U 110
			6.C	F 18.6	R 13.1			U 110

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STATION Y(25.6)C (CONTINUED)

LATITUDE 37DEGREES 29.6MINUTES NORTH, LONGITUDE 76DEGREES 46.3MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1400HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	9.0	7.0	C.C	F 18.4	R 11.1			U 100
			2.C	F 18.3	R 10.0	B 7.9		U 120
			4.C	F 18.3	R 10.0			U 110
			6.C	F 18.3	R 10.4			U 110
18/10/69	10.5	7.0	C.C	F 18.8	R 09.8			U 130
			2.C	F 18.4	R 10.2	B 5.9		U 100
			4.C	F 18.4	R 10.6			U 100
			6.C	F 18.5	R 10.1			U 130
18/10/69	12.0	7.0	C.C	F 18.8	R 09.2			U 130
			2.C	F 18.7		B 5.6		U 120
			4.C	F 18.7	R 10.3			U 090
			6.C	F 18.8	R 11.2			U 180
18/10/69	13.5	8.0	C.C	F 19.1	R 09.6			U 320
			2.C	F 18.7	R 10.7			U 280
			4.C	F 18.7	R 11.4			U 310
			6.C	F 18.8	R 12.4			U 290

STATION Y(25.6)D

LATITUDE 37DEGREES 29.5MINUTES NORTH, LONGITUDE 76DEGREES 46.4MINUTES WEST

TRANSECT OCCUPIED 17/10/69 1400 HRS TO 18/10/69 1400HRS

LA-PC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
18/10/69	7.0	3.0	C.C	F 16.2	R 10.7			U 130
			2.C	F 16.8	R 12.8			U 130
18/10/69	8.5	3.0	C.C	F 17.8	R 11.2			U 110
			2.C	F 18.0	R 11.8			U 120
18/10/69	9.5	3.0	C.C	F 18.1	R 10.7			U 130
			2.C	F 18.0	R 10.9			U 130
18/10/69	11.0	3.0	C.C	F 18.8	R 09.5			U 130
			2.C	F 18.5	R 10.4			U 090
18/10/69	12.5	3.0	C.C	F 19.2	R 08.9			U 170
			2.C	F 18.9	R 09.7			U 090
18/10/69	14.0	3.0	C.C	F 18.7	R 09.5			U 310
			2.C	F 18.0	R 11.0			U 290

STATION Y(25.6)A

LATITUDE 37DEGREES 29.9MINUTES NORTH, LONGITUDE 76DEGREES 46.1MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MO-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.2	3.C	C.C 2.C	F 19.1 F 18.9	R 09.8 R 10.9		L 0.43 L 0.30	U 140 U 140
21/10/69	12.4	3.C	C.C 2.C	F 19.1 F 19.0	R 09.5 R 10.6		L 0.58 L 0.32	U 140 U 130
21/10/69	13.6	3.C	C.C 2.C	F 19.4 F 19.4	R 09.6 R 10.6		L 0.36 L 0.21	U 150 U 130
21/10/69	14.7	3.C	C.C 2.C	F 19.4 F 19.3	R 09.2 R 10.8		U 0.06 L 0.06	U 150 U 150
21/10/69	16.0	3.C	C.C 2.C	F 19.3 F 19.1	R 09.7 R 10.8		L 0.33 L 0.20	U 320 U 320
21/10/69	17.2	3.C	C.C 2.C		R 09.0 R 11.6		L 0.44 L 0.44	U 320 U 320
21/10/69	18.7	3.C	C.C 2.C	F 18.2 F 18.4	R 11.8 R 11.9		U 0.69 L 0.69	U 320 U 320
21/10/69	19.6	3.C	C.C 2.C	F 18.6 F 18.7	R 12.3 R 12.3		L 0.56 L 0.56	U 310 U 310
21/10/69	20.7	3.C	C.C 2.C	F 18.8 F 18.8	R 11.5 R 12.9		U 0.44 L 0.39	U 320 U 310
21/10/69	21.7	3.C	C.C 2.C	F 18.9 F 18.9	R 10.3 R 13.4		L 0.05 L 0.03	U 220 U 280
21/10/69	22.7	3.C	C.C 2.C	F 18.7 F 18.7	R 10.8 R 13.3		U 0.48 L 0.42	U 150 U 160
21/10/69	23.3	3.C	C.C 2.C	F 18.4 F 18.5	R 11.6 R 12.9		L 0.44 L 0.44	U 160 U 160
22/10/69	0.5	3.C	C.C 2.C	F 18.7 F 18.7	R 11.7 R 11.9		U 0.56 L 0.44	U 180 U 180
22/10/69	1.2	3.C	C.C 2.C	F 18.0 F 18.2	R 10.9 R 10.9		U 0.56 L 0.05	U 180 U 180
22/10/69	2.5	2.C	C.C 2.C	F 18.7 F 18.8	R 09.8 R 09.8		L 0.48 L 0.41	U 110 U 110

(CONTINUED)

STATION Y(25.6)A (CONTINUED)

LATITUDE 37DEGREES 29.9MINUTES NORTH, LONGITUDE 76DEGREES 46.1MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	3.3	2.0	0.0 2.0	F 18.6 F 18.6	R 09.3 R 09.4		L 0.24 U 0.22	U 130 U 120
22/10/69	4.4	3.0	0.0 2.0	F 18.6 F 18.6	R 09.5 R 10.5		L 0.20 L 0.28	U 140 U 140
22/10/69	6.0	3.0	0.0 2.0	F 18.5 F 18.5	R 10.8 R 10.8		U 0.56 L 0.44	U 330 U 320
22/10/69	7.0	3.0	0.0 2.0	F 18.4 F 18.5	R 11.5 R 11.5		L 0.63 L 0.21	U 330 U 330
22/10/69	8.0	3.0	0.0 2.0	F 18.5 F 18.5	R 12.2 R 12.2		L 0.41 L 0.31	U 310 U 320
22/10/69	9.0	3.0	0.0 2.0	F 18.5 F 18.5	R 12.8 R 12.8		L 0.37 L 0.24	U 320 U 290
22/10/69	10.0	3.0	0.0 2.0	F 18.5 F 18.5	R 12.9 R 12.9		L 0.08 L 0.08	U 270 U 160
22/10/69	11.0	2.0	0.0 2.0		R 12.4 R 12.5		L 0.11 L 0.03	U 140 U 130

STATION Y(25.6)B

LATITUDE 37DEGREES 29.7MINUTES NORTH, LONGITUDE 76DEGREES 46.2MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.4	5.0	C.C	H 18.8	R 10.2		U 0.46	U 150
			2.C	F 18.7	R 11.9		U 0.21	U 130
			4.C	F 18.2	R 12.0		U 0.26	U 110
21/10/69	12.6	5.0	C.C	H 18.9	R 10.6		U 0.43	U 130
			2.C	F 18.7	R 11.5		U 0.35	U 100
			4.C	F 18.7	R 11.8		U 0.21	U 130
21/10/69	13.7	5.0	C.C	F 18.9	R 09.5		U 0.45	U 140
			2.C	F 18.8	R 11.0		U 0.21	U 130
			4.C	H 18.8	R 11.2		U 0.16	U 130
21/10/69	15.0	5.0	C.C	F 19.2	R 09.0		U 0.03	U 100
			2.C	F 19.0	R 10.5		U 0.06	U 040
			4.C	F 19.0	R 10.7		U 0.04	U 270
21/10/69	16.2	5.0	C.C	H 19.2	R 09.2		U 0.15	U 350
			2.C	H 19.0	R 10.2		U 0.26	U 310
			4.C	F 19.0	R 10.7		U 0.23	U 310
21/10/69	17.3	5.0	C.C		R 09.3		U 0.56	U 320
			2.C		R 11.0		U 0.69	U 320
			4.C		R 11.3		U 0.44	U 310
21/10/69	18.7	5.0	C.C	H 18.5	R 10.4		U 0.94	U 320
			2.C	F 18.7	R 12.1		U 0.81	U 320
			4.C	H 18.7	R 12.3		U 0.69	U 320
21/10/69	19.7	6.0	C.C	F 18.7	R 11.2		U 0.69	U 320
			2.C	F 18.7	R 12.6		U 0.69	U 310
			4.C	H 18.8	R 12.7		U 0.56	U 310
21/10/69	20.4	5.0	C.C	F 18.5			U 0.44	U 310
			2.C	F 18.6			U 0.44	U 310
			4.C	F 18.7			U 0.46	U 300
21/10/69	21.7	5.0	C.C	H 18.3	R 12.4		U 0.06	U 250
			2.C	H 18.6	R 12.8		U 0.03	U 240
			4.C	F 18.7	R 13.6		U 0.01	U 130
21/10/69	22.7	5.0	C.C	H 18.5	R 10.8		U 0.39	U 150
			2.C	F 18.6	R 13.3		U 0.39	U 150
			4.C	F 18.7	R 13.6		U 0.22	U 150

(CONTINUED)

STATION Y(25.6)B (CONTINUED)

LATITUDE 37DEGREES 29.7MINUTES NORTH, LONGITUDE 76DEGREES 46.2MINUTES WEST

TRANSFCT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	23.4	4.0	C.C	H 18.2	R 11.4		L 0.56	U 160
			2.C	F 18.4	R 13.3		L 0.44	U 150
			4.C	F 18.5	R 13.4		L 0.36	U 150
22/10/69	0.7	4.0	C.C	F 18.3	R 11.7		L 0.56	U 180
			2.C	F 18.4	R 11.8		L 0.50	U 180
			4.C	F 18.5	R 11.9		L 0.46	U 180
22/10/69	1.3	4.0	C.C	F 18.3	R 10.6		L 0.63	U 100
			2.C	F 18.5	R 10.9		L 0.63	U 100
22/10/69	2.7	4.0	C.C	F 18.4			L 0.50	U 130
			2.C	F 18.6			L 0.44	U 120
22/10/69	3.5	4.0	C.C	F 18.1	R 09.0		L 0.37	U 130
			2.C	F 18.3	R 10.4		L 0.28	U 120
22/10/69	4.4	4.0	C.C	F 17.8	R 09.6		L 0.16	U 60
			2.C	F 18.1	R 10.5		L 0.14	U 150
			4.C	F 18.2			L 0.14	U 150
22/10/69	6.2	3.0	C.C	F 18.5	R 11.0		L 0.43	U 310
			2.C	F 18.2	R 10.9		L 0.56	U 320
22/10/69	7.2	3.0	C.C	F 18.4	R 11.7		L 0.81	U 320
			2.C	F 18.4	R 11.7		L 0.65	U 320
22/10/69	9.2	3.0	C.C	F 18.5	R 12.9		L 0.44	U 320
			2.C	F 18.5	R 12.9		L 0.35	U 280
22/10/69	10.2	3.0	C.C	F 18.5	R 12.9		L 0.08	U 160
			2.C	F 18.5	R 12.9		L 0.04	U 130

STATION Y(25.6)C

LATITUDE 37DEGREES 29.6MINUTES NORTH, LONGITUDE 76DEGREES 46.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	11.7	8.C	C.C	F 18.9	R 10.8		U 0.40	U 140
			2.C	F 18.8	R 11.1	B 7.6	U 0.41	U 140
			4.C	F 18.8	R 11.3		U 0.36	U 100
			6.C	F 18.7	R 11.0		U 0.26	U 110
21/10/69	12.8	8.C	C.C	F 19.1	R 08.9		U 0.56	U 140
			2.C	F 18.9	R 10.3	B 7.1	U 0.56	U 130
			4.C	F 18.9	R 10.3		U 0.41	U 120
			6.C	F 18.9	R 10.8		U 0.31	U 100
21/10/69	14.2	8.C	C.C	F 19.3	R 08.4		U 0.40	U 130
			2.C	F 19.2	R 08.3	B 6.8	U 0.23	U 130
			4.C	F 19.1	R 10.3		U 0.16	U 110
			6.C	F 19.1	R 10.3		U 0.16	U 100
21/10/69	15.2	8.C	C.C	F 19.2	R 08.0		U 0.10	U 150
			2.C	F 19.1	R 09.4	B 6.8	U 0.02	U 150
			4.C	F 19.0	R 10.1		U 0.10	U 330
			6.C	F 19.0	R 10.5		U 0.15	U 290
21/10/69	16.4	8.C	C.C	F 19.5	R 08.4		U 0.20	U 320
			2.C	F 19.3	R 10.3	B 6.5	U 0.39	U 320
			4.C	F 19.1	R 11.1		U 0.56	U 290
			6.C	F 19.0	R 11.5		U 0.44	U 290
21/10/69	17.5	9.C	C.C		R 09.5		U 0.56	U 310
			2.C		R 10.4	B 7.3	U 0.56	U 320
			4.C		R 11.9		U 0.69	U 310
			6.C		R 12.0		U 0.56	U 310
			8.C		R 12.0		U 0.44	U 310
21/10/69	19.0	10.C	C.C	F 18.5	R 10.9		U 0.56	U 310
			2.C	F 18.7	R 12.2		U 0.56	U 310
			4.C	F 18.7	R 13.0		U 0.69	U 310
			6.C	F 18.7	R 13.1		U 0.56	U 310
			8.C	F 18.7	R 13.1		U 0.44	U 310
21/10/69	19.7	10.C	C.C	F 18.9	R 11.9		U 0.44	U 310
			2.C	F 19.1	R 12.5	B 7.3	U 0.50	U 300
			4.C	F 19.0	R 13.2		U 0.56	U 310
			6.C	F 18.9	R 13.2		U 0.44	U 310
			8.C	F 18.8	R 13.2		U 0.46	U 310

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STATION Y(25.6)C (CONTINUED)

LATITUDE 37DEGREES 29.6MINUTES NORTH, LONGITUDE 76DEGREES 46.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	20.7	9.0	0.0	F 18.7	R 12.5	H 7.3	L 0.24	U 300
			2.0	F 18.8	R 13.2		L 0.28	U 310
			4.0	F 18.7	R 13.8		L 0.37	U 300
			6.0	F 18.8	R 13.9		L 0.33	U 300
			8.0	F 18.8	R 14.6		L 0.36	U 300
21/10/69	21.9	9.0	0.0	F 18.7	R 10.2	B 7.1	L 0.11	U 100
			2.0	F 18.8	R 13.6		L 0.06	U 120
			4.0	F 18.8	R 13.9		L 0.05	U 200
			6.0	F 18.8	R 14.0		L 0.01	U 160
			8.0	F 18.8	R 14.1		L 0.05	U 150
21/10/69	22.0	9.0	0.0	F 18.2	R 09.3	B 7.5	L 0.50	U 130
			2.0	F 18.4	R 11.6		L 0.44	U 140
			4.0	F 18.5	R 11.6		L 0.33	U 140
			6.0	F 18.6	R 13.9		L 0.31	U 140
			8.0	F 18.7	R 14.0		L 0.20	U 130
21/10/69	23.5	8.0	0.0	F 18.5	R 10.2	B 6.6	L 0.50	U 150
			2.0	F 18.3	R 11.3		L 0.44	U 150
			4.0	F 18.4	R 13.4		L 0.50	U 160
			6.0	F 18.6	R 13.5		L 0.44	U 150
			8.0	F 18.7	R 13.6		L 0.31	U 150
22/10/69	0.8	9.0	0.0	F 18.0	R 10.1	B 7.0	L 0.81	U 150
			2.0	F 18.1	R 10.4		L 0.81	U 150
			4.0	F 18.2	R 11.4		L 0.81	U 160
			6.0	F 18.5	R 11.8		L 0.56	U 150
			8.0	F 18.7	R 11.8		L 0.44	U 150
22/10/69	1.5	8.0	0.0	F 18.0	R 10.3	B 7.0	L 0.69	U 110
			2.0	F 18.2	R 11.1		L 0.69	U 100
			4.0	F 18.3	R 11.5		L 0.56	U 100
			6.0	F 18.5	R 11.5		L 0.50	U 90
22/10/69	2.8	7.0	0.0	F 17.9	R 09.0	B 6.7	L 0.63	U 120
			2.0	F 17.2	R 10.6		L 0.56	U 120
			4.0	F 17.4	R 10.8		L 0.49	U 110
			6.0	F 17.6	R 10.9		L 0.46	U 110
22/10/69	3.4	8.0	0.0	F 18.2	R 08.7		L 0.46	U 130
			2.0	F 18.4	R 10.4		L 0.44	U 120
			4.0	F 18.5	R 10.5		L 0.25	U 110
			6.0	F 18.6	R 10.5		L 0.21	U 100

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STATION Y(25.6)C (CONTINUED)

LATITUDE 37DEGREES 29.6MINUTES NORTH, LONGITUDE 76DEGREES 46.3MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	4.7	8.C	C.C	H 17.8	R 09.1		U 0.11	U 150
			2.C	H 18.0	R 09.9		U 0.19	U 140
			4.C	H 18.2	R 10.1		U 0.06	U 140
			6.C	H 18.4	R 10.3		U 0.04	U 130
22/10/69	6.5	7.C	C.C	H 18.4	R 10.8		U 0.50	U 300
			2.C	H 18.3	R 10.7		U 0.73	U 310
			4.C	H 18.4	R 11.2		U 0.56	U 310
			6.C	H 18.6	R 11.2		U 0.40	U 310
22/10/69	7.2	7.C	C.C	H 18.5	R 11.5	B 7.2	U 0.60	U 310
			2.C	H 18.5	R 11.5		U 0.60	U 300
			4.C	H 18.5	R 12.0		U 0.48	U 300
			6.C	H 18.6	R 12.0		U 0.44	U 300
22/10/69	8.1	3.C	C.C	H 18.5	R 12.6		U 0.43	U 320
			2.C	H 18.5	R 12.6		U 0.56	U 320
22/10/69	9.3	7.C	C.C	H 18.5	R 12.6		U 0.28	U 310
			2.C	H 18.5	R 12.6		U 0.47	U 290
			4.C	H 18.5	R 13.2		U 0.36	U 290
			6.C	H 18.5	R 13.2		U 0.31	U 290
22/10/69	10.3	7.C	C.C	H 18.5	R 12.8	B 6.9	U 0.15	U 300
			2.C	H 18.5	R 13.4		U 0.14	U 320
			4.C	H 18.5	R 13.3		U 0.03	U 270
			6.C	H 18.5	R 13.3		U 0.69	U 310

STATION Y(25.6)D

LATITUDE 37DEGREES 29.5MINUTES NORTH, LONGITUDE 76DEGREES 46.4MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HOUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	12.0	8.0	C.0	H 19.2	R 08.2		L 0.38	U 150
			2.0	F 19.1	R 10.2		L 0.41	U 120
			4.0	F 19.0	R 10.5		L 0.45	U 120
			6.0	F 19.0	R 10.9		L 0.21	U 110
21/10/69	13.2	8.0	C.0	F 19.3	R 08.4		L 0.36	U 150
			2.0	F 19.2	R 09.6		U 0.35	U 110
			4.0	F 19.2	R 09.2		L 0.33	U 100
			6.0	F 19.1	R 10.0		L 0.21	U 130
21/10/69	14.5	8.0	C.0	F 19.4	R 07.8		L 0.36	U 140
			2.0	F 19.3	R 09.5		L 0.23	U 100
			4.0	F 19.3	R 09.7		L 0.21	U 110
			6.0	F 19.3	R 10.0		L 0.15	U 140
21/10/69	15.7	8.0	C.0	F 19.2	R 07.8		L 0.03	U 140
			2.0	F 19.1	R 09.8		L 0.08	U 320
			4.0	F 19.0	R 10.2		L 0.16	U 310
			6.0	F 18.9	R 10.7		L 0.22	U 290
21/10/69	16.9	8.0	C.0		R 10.5		L 0.36	U 320
			2.0		R 08.6		L 0.44	U 320
			4.0		R 11.2		L 0.48	U 310
			6.0		R 11.6		L 0.46	U 310
21/10/69	17.8	9.0	C.0		R 09.4		L 0.69	U 320
			2.0		R 10.6		L 0.69	U 310
			4.0		R 12.3		L 0.56	U 310
			6.0		R 12.5		L 0.56	U 310
21/10/69	18.3	9.0	C.0		R 11.8		L 0.48	U 310
			2.0	F 18.9	R 10.4		L 0.49	U 320
			4.0	F 19.1	R 12.0		L 0.44	U 310
			6.0	F 18.9	R 13.1		L 0.56	U 310
21/10/69	19.3	9.0	C.0	F 18.8	R 13.1		L 0.44	U 310
			2.0	F 18.7	R 13.1		L 0.34	U 310
			4.0	F 18.7	R 13.1		L 0.44	U 310
			6.0	F 18.7	R 13.1		L 0.44	U 310
21/10/69	19.9	9.0	C.0	F 19.0	R 11.4		L 0.34	U 310
			2.0	F 18.8	R 12.8		L 0.41	U 300
			4.0	F 18.7	R 13.3		L 0.44	U 300
			6.0	F 18.7	R 13.3		L 0.46	U 300
21/10/69	19.9	9.0	C.0	F 18.7	R 13.3		L 0.32	U 300
			6.0	F 18.7	R 13.3		L 0.32	U 300

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STATION Y(25.6)D (CONTINUED)

LATITUDE 37DEGREES 29.5MINUTES NORTH, LONGITUDE 76DEGREES 46.4MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
21/10/69	20.0	8.C	C.C	H 18.8	R 09.6		U 0.29	U 120
			2.C	H 18.7	R 13.6		U 0.13	U 130
			4.C	H 18.7	R 13.9		U 0.09	U 150
			6.C	H 18.7	R 14.0		U 0.05	U 160
21/10/69	21.0	8.C	C.C	H 18.9	R 10.7		U 0.05	U 020
			2.C	H 19.1	R 13.1		U 0.01	U 040
			4.C	H 19.0	R 13.7		U 0.13	U 030
			6.C	H 18.9	R 13.9		U 0.24	U 030
21/10/69	23.2	8.C	C.C	H 18.2	R 09.1		U 0.56	U 140
			2.C	H 18.4	R 11.6		U 0.21	U 150
			4.C	H 18.6	R 13.4		U 0.41	U 150
			6.C	H 18.7	R 13.6		U 0.33	U 140
21/10/69	23.7	8.C	C.C	F 18.1	R 10.8		U 0.56	U 170
			2.C	H 18.2	R 11.4		U 0.56	U 170
			4.C	F 18.3	R 12.3		U 0.50	U 160
			6.C	H 18.6	R 12.8		U 0.48	U 160
			8.C	F 18.7			U 0.34	U 170
22/10/69	1.0	8.C	C.C	F 18.1	R 10.5		U 0.69	U 150
			2.C	F 18.2	R 10.6		U 0.69	U 150
			4.C	F 18.3	R 11.1		U 0.63	U 160
			6.C	F 18.5	R 11.5		U 0.50	U 150
22/10/69	1.7	8.C	C.C	F 18.0	R 10.8		U 0.81	U 110
			2.C	F 18.2	R 11.2		U 0.81	U 110
			4.C	F 18.3	R 11.3		U 0.69	U 110
			6.C	F 18.5	R 11.4		U 0.56	U 110
22/10/69	3.0	8.C	C.C	H 18.1	R 08.9		U 0.56	U 130
			2.C	F 18.3	R 10.5		U 0.56	U 130
			4.C	F 18.4	R 10.6		U 0.49	U 120
			6.C	F 18.5	R 10.6		U 0.41	U 110
22/10/69	3.7	7.C	C.C	F 18.0	R 08.5		U 0.38	U 110
			2.C	H 18.3	R 10.2		U 0.38	U 100
			4.C	F 18.4	R 10.3		U 0.23	U 90
			6.C	F 18.5	R 10.3		U 0.20	U 90
22/10/69	4.9	8.C	C.C	F 17.7	R 08.8		U 0.13	U 150
			2.C	F 17.9	R 09.8		U 0.16	U 150
			4.C	F 18.1	R 10.1		U 0.19	U 150
			6.C	F 18.3	R 10.2		U 0.18	U 140

(CONTINUED)

STATION Y(25.6)D (CONTINUED)

LATITUDE 37DEGREES 29.5MINUTES NORTH, LONGITUDE 76DEGREES 46.4MINUTES WEST

TRANSECT OCCUPIED 21/10/69 1100 HRS TO 22/10/69 1100HRS

DA-MC-YR	HCUR	WATER DEPTH	SAMPLE DEPTH	TEMPERATURE	SALINITY	DISSOLVED OXYGEN	CURRENT SPEED	CURRENT DIRECTION
22/10/69	6.7	7.0	C.C	H 18.4	R 11.0		L 0.40	U 290
			2.C	H 18.5	R 11.0		L 0.43	U 300
			4.C	H 18.4	R 11.0		L 0.39	U 300
			6.C	H 18.5	R 11.4		L 0.34	U 310
22/10/69	7.2	7.0	C.C	H 18.6	R 12.1		L 0.44	U 320
			2.C	H 18.5	R 12.1		L 0.54	U 310
			4.C	H 18.5	R 12.8		L 0.48	U 310
			6.C	H 18.4	R 12.8		L 0.45	U 310
22/10/69	7.4	3.0	C.C	H 18.5	R 12.0		L 0.32	U 270
			2.C	H 18.5	R 12.0		L 0.56	U 270
22/10/69	7.5	3.0	C.C	H 18.5	R 11.5		L 0.47	U 330
			2.C	H 18.5	R 11.5		L 0.46	U 320
22/10/69	9.5	7.0	C.C	H 18.5	R 12.6		L 0.29	U 290
			2.C	H 18.5	R 13.0		L 0.40	U 270
			4.C	H 18.5	R 13.4		L 0.31	U 320
			6.C	H 18.5	R 13.4		L 0.23	U 310
22/10/69	10.5	7.0	C.C	H 18.5	R 11.9		L 0.23	U 270
			2.C	H 18.5	R 13.1		L 0.05	
			4.C	H 18.5	R 13.1		L 0.14	
			6.C	H 18.5	R 13.0		L 0.03	